

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
**August
2009**

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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Department of Water Resources
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The organization shown above represents staff and positions relevant to this report as of publication date on May 2012. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following activities highlight actions that affected State Water Project operations during August 2009.

Statewide precipitation was about 85 percent of average for the water-year through August 31. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available on the internet at http://cdec.water.ca.gov/snow_rain.html

Snowpack and Statewide Runoff data is compiled four times annually, for the months of January, February, March, and April by the California Department of Water Resources in Bulletin 120. No Snowpack or Statewide Runoff data is available in August. Cumulative Unimpaired runoff for the 2008-09 water year for the Sacramento River Region was 12.6 maf, 69 percent of average, compared to 10.0 maf at this time in 2008.

Statewide reservoir storage was 80 percent of average to date. Total storage in major SWP reservoirs at the end of August 2009 was about 2.27 maf compared to 1.96 maf at this time in 2008. On August 31, 2009, end-of-month storage at Lake Oroville was about 1.38 maf, as compared to 1.13 maf at this time in 2008. The State share of San Luis Reservoir's end-of-month storage was about 374 taf, as compared with 231 taf at this time in 2008. The combined storage in SWP's southern reservoirs was about 514 taf, compared with about 602 taf at this time in 2008.

SWP water deliveries to date through August 2009 were about 1.77 maf. Water deliveries are a combination of project, transfer, and exchange classifications. Total deliveries through this same period in 2008 were 2.17 maf.

On May 31, by mutual agreement between the United States Bureau of Reclamation and the California Department of Water Resources in accordance with Article 6(h) of the COA, "Balanced" conditions were declared in the Delta and remained "Balanced" throughout the end of calendar year 2009. "Balanced" conditions exist when the DWR and the USBR agree that releases from upstream reservoirs plus unregulated flow approximately equal the water supply needed to meet Sacramento Valley in-basin uses, plus exports.

On August 18, Mojave Plant was forced out of service when a main bus experienced a solid ground condition. Mojave Bypass flows were increased to 1600 cfs to maintain pumping schedule while main bus was corrected. All units at the plant remained out of service and bypass flows continued through the end of the month.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Jul 31	5000.03	20,779									
1	4999.97	20,718	-61	20	0	0	0	10	30	-1	
2	4999.91	20,665	-53	20	0	0	0	10	30	3	
3	4999.85	20,612	-53	20	0	0	0	10	30	3	
4	4999.79	20,559	-53	20	0	0	0	10	30	3	
5	4999.72	20,497	-62	20	0	0	0	10	30	-1	
6	4999.67	20,453	-44	20	0	0	0	10	30	8	
7	4999.63	20,418	-35	20	0	0	0	10	30	12	
8	4999.58	20,374	-44	20	0	0	0	10	30	8	
9	4999.53	20,330	-44	20	0	0	0	10	30	8	
10	4999.47	20,277	-53	20	0	0	0	10	30	3	
11	4999.41	20,225	-52	20	0	0	0	9	29	3	
12	4999.35	20,172	-53	20	0	0	0	9	29	2	
13	4999.29	20,120	-52	20	0	0	0	9	29	3	
14	4999.23	20,068	-52	20	0	0	0	9	29	3	
15	4999.17	20,016	-52	20	0	0	0	9	29	3	
16	4999.11	19,964	-52	20	0	0	0	9	29	3	
17	4999.05	19,912	-52	20	0	0	0	9	29	3	
18	4999.00	19,868	-44	20	0	0	0	9	29	7	
19	4998.94	19,816	-52	20	0	0	0	9	29	3	
20	4998.88	19,765	-51	20	0	0	0	9	29	3	
21	4998.82	19,713	-52	20	0	0	0	9	29	3	
22	4998.75	19,653	-60	20	0	0	0	9	29	-1	
23	4998.69	19,601	-52	20	0	0	0	9	29	3	
24	4998.64	19,558	-43	20	0	0	0	9	29	7	
25	4998.57	19,498	-60	20	0	0	0	9	29	-1	
26	4998.51	19,447	-51	20	0	0	0	9	29	3	
27	4998.45	19,396	-51	20	0	0	0	9	29	3	
28	4998.39	19,344	-52	20	0	0	0	9	29	3	
29	4998.33	19,293	-51	20	0	0	0	9	29	3	
30	4998.27	19,242	-51	20	0	0	0	9	29	3	
31	4998.21	19,191	-51	20	0	0	0	9	29	3	
Total cfs-days				- - -	620	0	0	0	289	909	108
Total ac-ft				-1,588	1,230	0	0	0	573	1,803	215

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right					
Jul 31	5562.40	23,648									
1	5562.31	23,564	-84	2	52	0	0	8	62	20	
2	5562.23	23,490	-74	2	52	0	0	8	62	25	
3	5562.17	23,434	-56	2	52	0	0	8	62	34	
4	5562.06	23,332	-102	2	55	0	0	8	65	14	
5	5561.98	23,258	-74	2	49	0	0	8	59	22	
6	5561.89	23,175	-83	2	36	0	0	7	45	3	
7	5561.84	23,129	-46	2	36	0	0	7	45	22	
8	5561.70	23,001	-128	2	36	0	0	7	45	-20	
9	5561.60	22,909	-92	2	36	0	0	7	45	-1	
10	5561.49	22,808	-101	2	36	0	0	7	45	-6	
11	5561.38	22,708	-100	2	35	0	0	7	44	-6	
12	5561.27	22,608	-100	2	35	0	0	7	44	-6	
13	5561.16	22,508	-100	2	35	0	0	7	44	-6	
14	5561.06	22,418	-90	2	35	0	0	7	44	-1	
15	5560.94	22,309	-109	2	35	0	0	7	44	-11	
16	5560.84	22,219	-90	2	35	0	0	7	44	-1	
17	5560.75	22,138	-81	1	32	0	0	7	40	-1	
18	5560.71	22,103	-35	1	23	0	0	7	31	13	
19	5560.64	22,040	-63	1	9	0	0	7	17	-15	
20	5560.60	22,004	-36	1	9	0	0	7	17	-1	
21	5560.58	21,986	-18	1	9	0	0	7	17	8	
22	5560.54	21,951	-35	1	9	0	0	7	17	-1	
23	5560.46	21,879	-72	1	9	0	0	7	17	-19	
24	5560.43	21,852	-27	1	7	0	0	7	15	1	
25	5560.42	21,844	-8	1	5	0	0	7	13	9	
26	5560.37	21,799	-45	2	5	0	0	7	14	-9	
27	5560.32	21,755	-44	2	6	0	0	7	15	-7	
28	5560.29	21,728	-27	2	6	0	0	7	15	1	
29	5560.26	21,701	-27	2	6	0	0	7	15	1	
30	5560.20	21,648	-53	2	6	0	0	7	15	-12	
31	5560.15	21,604	-44	2	6	0	0	7	15	-7	
Total cfs-days				---	53	797	0	0	222	1,072	42
Total ac-ft				-2,044	105	1,581	0	0	441	2,127	83

1/ Last Chance Creek Water District.

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs							Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow			
				Stream-flow Maint.	Water Right 1/	Water Supply Contract 2/						
Jul 31	5764.17	46,845										
1	5764.14	46,758	-87	6	4	0.9	0	32	43	-1		
2	5764.14	46,758	0	6	4	0.9	0	32	43	43		
3	5764.10	46,642	-116	6	4	0.9	0	32	43	-16		
4	5764.05	46,498	-144	6	5	0.9	0	32	43	-30		
5	5764.03	46,440	-58	6	5	0.9	0	32	43	14		
6	5764.00	46,354	-86	6	5	0.9	0	32	43	0		
7	5763.98	46,296	-58	6	5	0.9	0	32	43	14		
8	5763.95	46,210	-86	5	5	0.9	0	32	43	0		
9	5763.93	46,152	-58	5	5	0.9	0	32	43	14		
10	5763.91	46,095	-57	5	5	0.9	0	32	43	14		
11	5763.87	45,980	-115	5	5	0.9	0	32	43	-15		
12	5763.83	45,865	-115	5	5	0.9	0	32	43	-15		
13	5763.80	45,780	-85	5	5	0.9	0	32	43	0		
14	5763.77	45,694	-86	5	5	0.9	0	32	43	0		
15	5763.75	45,637	-57	5	5	0.9	0	32	43	14		
16	5763.73	45,580	-57	5	5	0.9	0	32	43	14		
17	5763.69	45,466	-114	5	5	0.9	0	32	43	-15		
18	5763.66	45,380	-86	6	5	0.9	0	32	43	0		
19	5763.63	45,295	-85	6	5	0.9	0	32	43	0		
20	5763.59	45,182	-113	6	4	0.9	0	32	43	-14		
21	5763.56	45,097	-85	6	4	0.9	0	32	43	0		
22	5763.55	45,068	-29	6	4	0.9	0	32	43	28		
23	5763.51	44,955	-113	6	4	0.9	0	32	43	-14		
24	5763.49	44,899	-56	6	4	0.9	0	32	43	15		
25	5763.47	44,842	-57	6	4	0.9	0	32	43	14		
26	5763.43	44,729	-113	6	4	0.9	0	32	43	-14		
27	5763.40	44,645	-84	6	4	0.9	0	31	42	0		
28	5763.37	44,560	-85	6	4	0.9	0	31	42	-1		
29	5763.35	44,504	-56	6	4	0.9	0	31	42	14		
30	5763.31	44,392	-112	6	4	0.9	0	31	42	-15		
31	5763.27	44,279	-113	6	4	0.9	0	31	42	-15		
Total cfs-days				---	174	136	28	0	987	1,325	31	
Total ac-ft				-2,566	345	270	55	0	1,958	2,628	62	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli).

2/ Includes 55 AF to Grizzly Ranch and 0 AF to Plumas County.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Jul 31	736.40	1,554,036										
	1	734.97	1,541,432	-12,604	17,028	34	0	0	171	0	17,233	0
	2	733.94	1,532,398	-9,034	12,425	34	0	0	231	0	12,690	0
	3	732.15	1,516,786	-15,612	19,477	34	0	0	213	0	19,724	0
	4	730.43	1,501,883	-14,903	19,230	34	0	0	190	0	19,454	0
	5	729.41	1,493,094	-8,789	12,548	34	0	0	216	0	12,798	0
	6	728.95	1,489,142	-3,952	8,524	31	0	0	215	0	8,770	0
	7	728.57	1,485,883	-3,259	8,752	30	0	0	88	0	8,870	0
	8	727.96	1,480,662	-5,221	9,232	30	0	0	170	0	9,432	0
	9	727.97	1,480,747	85	3,951	30	0	0	219	0	4,200	0
	10	727.12	1,473,492	-7,255	11,685	30	0	0	235	0	11,950	0
	11	726.13	1,465,074	-8,418	11,400	30	0	0	251	0	11,681	0
	12	725.47	1,459,481	-5,593	11,092	30	0	0	201	0	11,323	0
	13	724.55	1,451,708	-7,773	10,851	30	0	0	217	0	11,098	0
	14	723.88	1,446,066	-5,642	8,659	30	0	0	200	0	8,889	0
	15	724.16	1,448,422	2,356	2,706	30	0	0	189	0	2,925	0
	16	724.23	1,449,011	589	2,896	30	0	0	227	0	3,153	0
	17	723.33	1,441,445	-7,566	11,220	30	0	0	227	0	11,477	0
	18	722.58	1,435,161	-6,284	10,800	30	0	0	215	0	11,045	0
	19	721.85	1,429,063	-6,098	10,507	30	0	0	220	0	10,757	0
	20	721.23	1,423,898	-5,165	9,217	30	0	0	177	0	9,424	0
	21	720.37	1,416,754	-7,144	11,616	30	0	0	165	0	11,811	0
	22	720.09	1,414,434	-2,320	5,726	30	0	0	207	0	5,963	0
	23	720.07	1,414,268	-166	5,450	30	0	0	217	0	5,697	0
	24	719.97	1,413,440	-828	5,341	30	0	0	180	0	5,551	0
	25	718.87	1,404,354	-9,086	13,419	30	0	0	175	0	13,624	0
	26	718.09	1,397,936	-6,418	11,408	30	0	0	190	0	11,628	0
	27	717.51	1,393,176	-4,760	9,224	30	0	1	216	0	9,471	0
	28	717.08	1,389,655	-3,521	7,897	30	0	1	247	0	8,175	0
	29	717.26	1,391,128	1,473	2,804	30	0	1	199	0	3,034	0
	30	717.23	1,390,883	-245	4,237	30	0	1	209	0	4,477	0
	31	716.36	1,383,772	-7,111	9,850	30	0	1	257	0	10,138	0
Total				-170,264	299,172	950	0	5	6,334	0	306,462	0
1/ Includes bypass flows												136,198

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

August 2009

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Jul 31	23,674										
1	23,638	-36	17,028	459	0	16,142	2	9	1,321	0	-49
2	23,923	285	12,425	459	0	11,522	2	9	1,325	0	259
3	24,081	158	19,477	459	0	18,378	2	9	1,325	0	-64
4	24,285	204	19,230	458	0	18,216	2	9	1,321	0	64
5	24,055	-230	12,548	459	0	12,138	2	9	1,329	0	241
6	23,596	-459	8,524	459	0	8,296	2	9	1,339	0	204
7	24,039	443	8,752	460	0	7,740	2	9	1,337	0	319
8	23,941	-98	9,232	460	0	8,682	2	9	1,321	0	224
9	23,863	-78	3,951	460	0	3,418	2	9	1,321	0	261
10	24,033	170	11,685	460	0	10,994	2	9	1,325	0	355
11	23,590	-443	11,400	460	0	11,108	2	9	1,321	0	137
12	24,095	505	11,092	436	0	9,965	2	9	1,321	0	274
13	24,044	-51	10,851	458	0	10,122	2	9	1,321	0	94
14	24,052	8	8,659	465	0	8,016	3	9	1,323	0	235
15	23,818	-234	2,706	478	0	2,298	3	9	1,329	0	221
16	23,380	-438	2,896	478	0	2,662	3	9	1,321	0	183
17	23,540	160	11,220	478	0	10,387	3	9	1,319	0	180
18	24,170	630	10,800	477	0	9,408	3	9	1,502	0	275
19	24,165	-5	10,507	471	0	9,620	3	10	1,561	0	211
20	23,888	-277	9,217	462	0	8,840	3	10	1,317	0	214
21	24,083	195	11,616	462	0	10,652	3	10	1,559	0	341
22	23,732	-351	5,726	462	0	5,524	3	10	1,327	0	325
23	24,081	349	5,450	463	0	4,654	3	10	1,329	0	432
24	23,868	-213	5,341	443	0	4,870	3	10	1,331	0	217
25	24,051	183	13,419	461	0	12,653	3	10	1,325	0	294
26	23,603	-448	11,408	461	0	11,052	3	10	1,325	0	73
27	23,861	258	9,224	461	0	8,392	3	10	1,329	0	307
28	23,770	-91	7,897	461	0	7,212	3	10	1,494	0	270
29	24,513	743	2,804	461	0	1,576	3	10	1,331	0	398
30	24,114	-399	4,237	461	0	4,040	3	10	1,325	0	281
31	24,030	-84	9,850	656	0	9,368	3	10	1,329	0	120
Total		356	299,172	14,508	0	277,945	80	292	41,903	0	6,896

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jul 31	133.19	43,567										
	1	133.05	43,032	-535	16,142	2,836	24	754	1,930	10,731	0	-402
	2	131.80	38,394	-4,638	11,522	2,856	24	754	1,930	10,731	0	135
	3	132.90	42,463	4,069	18,378	2,856	24	750	1,916	8,509	0	-253
	4	134.40	48,310	5,847	18,216	2,856	24	754	1,882	6,764	0	-89
	5	134.72	49,599	1,289	12,138	2,836	24	740	1,853	5,018	0	-378
	6	134.27	47,791	-1,808	8,296	2,856	24	740	1,841	3,749	0	-894
	7	133.78	45,854	-1,937	7,740	2,836	24	740	1,809	3,531	0	-737
	8	133.67	45,424	-430	8,682	2,817	24	734	1,781	3,154	0	-602
	9	132.30	40,220	-5,204	3,418	2,757	24	730	1,761	2,856	0	-493
	10	133.00	42,842	2,622	10,994	2,777	24	734	1,714	2,757	0	-366
	11	133.66	45,384	2,542	11,108	2,817	22	694	1,656	2,757	0	-620
	12	134.05	46,918	1,534	9,965	2,777	20	692	1,599	2,757	0	-586
	13	134.55	48,912	1,994	10,122	2,737	16	655	1,559	2,757	0	-404
	14	134.41	48,350	-562	8,016	2,717	14	641	1,521	2,757	0	-927
	15	132.94	42,614	-5,736	2,298	2,698	14	635	1,480	2,757	0	-451
	16	131.45	37,140	-5,474	2,662	2,698	13	595	1,476	2,757	0	-598
	17	132.11	39,521	2,381	10,387	2,658	13	615	1,464	2,757	0	-499
	18	132.58	41,260	1,739	9,408	2,618	13	595	1,420	2,579	0	-444
	19	133.10	43,223	1,963	9,620	2,598	11	575	1,355	2,519	0	-599
	20	133.38	44,298	1,075	8,840	2,579	9	540	1,279	2,757	0	-601
	21	134.18	47,433	3,135	10,652	2,559	7	530	1,216	2,559	0	-647
	22	133.69	45,502	-1,931	5,524	2,499	6	518	1,186	2,757	0	-489
	23	132.89	42,425	-3,077	4,654	2,479	5	496	1,174	2,757	0	-819
	24	132.20	39,852	-2,573	4,870	2,479	5	397	1,145	2,757	0	-660
	25	133.64	45,306	5,454	12,653	2,460	5	454	1,077	2,757	0	-446
	26	134.60	49,114	3,808	11,052	2,380	5	436	960	2,757	0	-706
	27	134.93	50,453	1,339	8,392	2,281	6	432	873	2,757	0	-704
	28	135.02	50,821	368	7,212	2,222	6	413	831	2,757	0	-615
	29	133.73	45,658	-5,163	1,576	2,202	5	367	791	2,757	0	-617
	30	133.03	42,956	-2,702	4,040	2,202	6	353	772	2,757	0	-653
	31	133.70	45,541	2,585	9,368	2,182	4	341	772	2,757	0	-727
Total				1,974	277,945	81,130	450	18,400	44,020	115,080	0	-16,891
												156,986

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

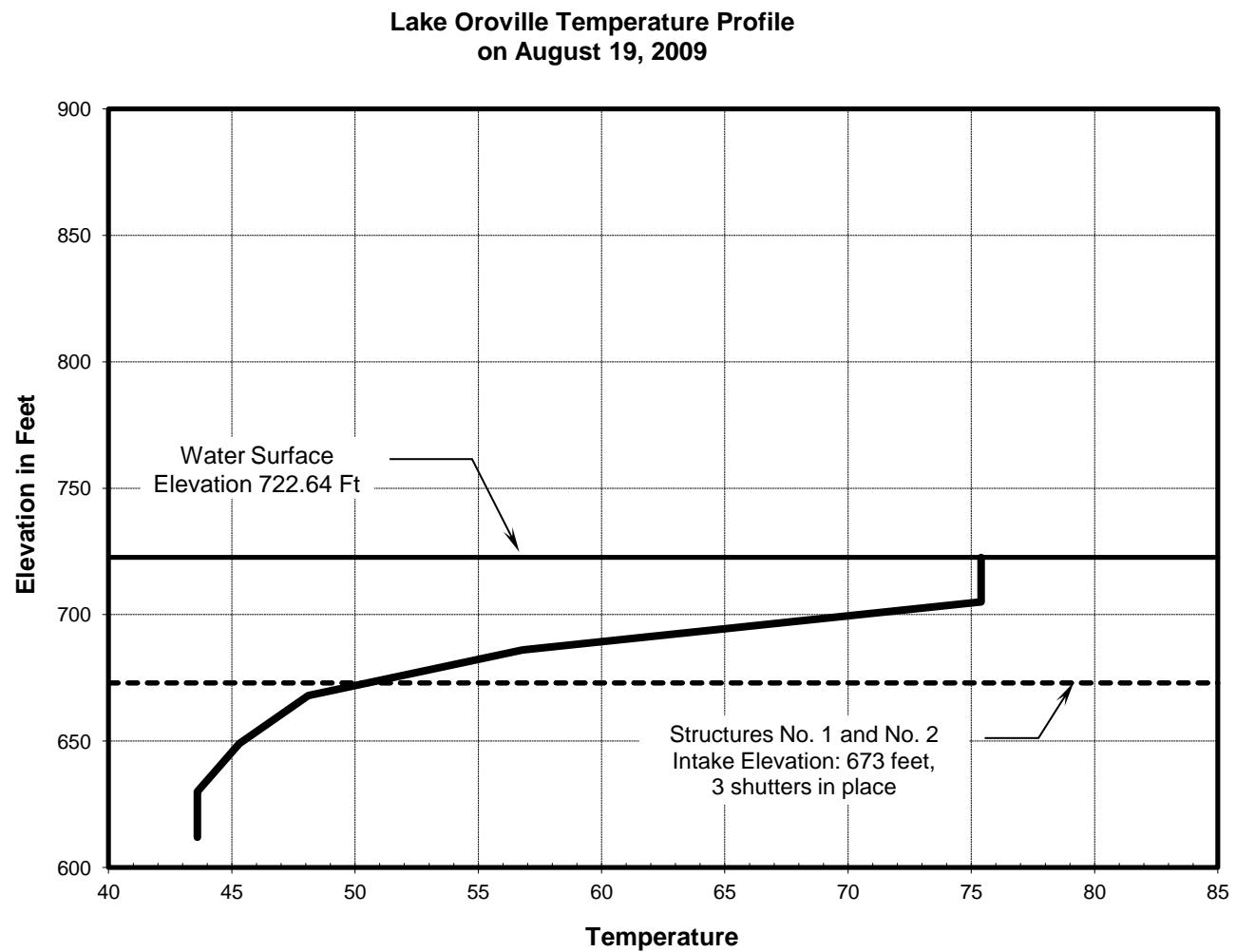
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

August 2009

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	66	57
2	65	58
3	64	58
4	63	59
5	63	60
6	62	60
7	64	57
8	66	58
9	67	58
10	67	59
11	67	60
12	66	60
13	66	60
14	66	60
15	68	60
16	69	60
17	70	59
18	69	61
19	68	62
20	68	62
21	69	61
22	68	59
23	67	58
24	69	57
25	70	57
26	70	59
27	69	60
28	68	60
29	67	60
30	65	61
31	66	60



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

August 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.			Table A	Permit	Article 56C	Settlement	Other
	No.	Mile	Structure	Mile						
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)		5,140	140 313 1,095	200	2/ 8	3/ 750
		Travis Surge Tank	8.78							
			8.80	Solano County Water Agency Travis AFB		340				
			10.54	Solano County Water Agency Fairfield / Vacaville 24"		313				
				Solano County Water Agency Fairfield / Vacaville 42"		1,095				
	2		17.00	Solano County Water Agency Central Solano		Stub				
	3A	Cordelia Forebay	21.23							
		Cordelia Pumping Plant & Cordelia Spillway	21.30			3,330				
3B	2	Napa Pipeline	21.33	Solano County Water Agency Vallejo		645	132 3/ 200	1/ 505 128	429 128	4/ 249
				Solano County Water Agency Benicia		1,179				
		Cordelia Surge Tank	23.33							
		Creston Surge Tank Connection	25.65							
	3B		26.95	Napa County Flood Control & WCD American Canyon 2		328				
				Napa County Flood Control & WCD American Canyon 3		0				
		Napa Terminal Tank	27.58	City of Napa		1,170				
			27.60	Napa County Flood Control & WCD American Canyon 1		8				

1/ Includes 5 AF of Solano Permit water sold to Napa..

2/ Napa Co. FC&WCD TBLA through Solano Co's turnout (Reach 3A) for delivery to American Canyon.

3/ Table A Exchange to Mojave WA.

4/ Includes 136 AF of Drought Water Bank, 30 AF of Dry Purchase 2, 30 AF of Dry Purchase 3, and 53 AF of Dry Purchase 4.

Table 9. Delta Field Division Plant Data

(in acre-feet)

August 2009

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	172	109	9,854	7,871	605	0	0	0
2	171	90	9,629	7,646	612	0	0	0
3	160	124	9,558	7,575	583	0	0	0
4	165	112	9,540	7,557	571	0	0	0
5	170	110	9,928	7,945	571	0	0	0
6	172	106	9,865	7,882	587	0	0	0
7	182	108	9,866	7,883	584	0	0	0
8	172	107	8,343	6,360	580	0	0	0
9	173	104	8,056	6,073	558	0	0	0
10	171	111	8,006	6,023	575	0	0	0
11	166	105	6,026	4,043	569	0	0	0
12	168	114	5,819	3,836	576	0	0	0
13	197	117	6,776	4,796	527	0	0	0
14	182	110	8,288	6,305	408	0	0	0
15	167	110	8,294	6,311	579	0	0	0
16	156	104	8,079	6,096	550	0	0	0
17	154	99	8,854	6,871	584	0	0	0
18	140	97	6,877	4,894	576	0	0	0
19	157	109	6,891	5,009	567	0	0	0
20	153	105	6,875	4,993	558	0	0	0
21	168	111	6,949	5,067	557	0	0	0
22	160	104	6,857	4,975	567	0	0	0
23	162	107	6,828	4,946	565	0	0	0
24	157	105	6,802	4,920	573	0	0	0
25	161	110	6,536	4,654	557	0	0	0
26	154	107	8,294	6,412	541	0	0	0
27	173	107	8,203	6,321	558	0	0	0
28	171	106	8,236	6,354	569	0	0	0
29	162	111	8,216	6,334	574	0	0	0
30	161	104	8,205	6,323	571	0	0	0
31	163	107	8,155	6,273	577	0	0	0
Total	5,140	3,330	248,705	188,548	17,529	0	0	0

Table 10. Clifton Court Forebay

Daily Operation of Gates

August 2009

Date	Time										Amount of inflow in Acre-Feet
	Opened	Closed									
1	0:01	1:15	3:45	10:45	13:45	21:00					9,911
2	0:01	2:15	4:45	11:30	14:30	19:05					9,858
3	0:25	3:15	5:30	12:15	15:15	19:05					9,916
4	0:01	4:00	6:15	12:45	15:45	23:07					9,895
5	0:01	4:30	6:45	13:15	16:15	21:00					9,895
6	0:00	5:15	7:30	13:45	16:45	20:00					9,008
7	0:01	5:45	8:00	14:15	17:15	22:30					9,903
8	0:01	6:30	8:45	14:45	18:50	21:00					8,314
9	0:01	7:00	9:30	14:15	18:15	22:00					8,328
10	0:01	7:45	10:00	15:40	18:45	22:57					8,318
11	0:01	4:30	7:30	17:20							6,932
12	0:01	5:30	8:30	15:55	18:00	21:00					6,931
13	0:01	4:42	9:30	21:45							6,919
14	1:00	7:45	10:45	16:30							8,321
15	1:45	7:45	12:00	18:15							8,308
16	3:00	10:00	13:00	18:40							8,330
17	0:01	11:00	14:00	17:20							8,308
18	0:01	2:30	5:00	14:45	15:20	17:00					6,920
19	0:01	3:30	6:00	12:30	15:30	22:29					6,927
20	0:01	4:30	7:00	11:24	16:15	17:15					6,932
21	7:45	13:45	16:45	18:18							6,941
22	0:01	6:00	8:45	14:30	17:30	22:09					6,871
23	0:04	7:00	9:45	15:15							6,928
24	0:50	4:00	7:00	17:45							6,880
25	0:01	6:00	9:25	17:55	19:20	20:15					6,938
26	0:01	6:00	9:25	17:55	19:20	20:15					8,329
27	0:15	7:00	10:15	15:15	16:50	20:51					8,325
28	1:15	8:15	15:00	21:12							8,322
29	1:30	9:15	15:00	20:26							8,330
30	3:15	10:15	15:00	22:01							8,316
31	0:01	2:15	4:15	11:00	15:00	21:17					8,330
Total inflow for the month in AF:											252,684

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

August 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	General Conveyance	Drought Water Bank	Local Other		
	No.	Structure	Mile									
1A			1.83	Byron-Bethany I.D.	2,750					2,750		
1	Banks Pumping Plant		3.32		248,705		5					
	South Bay Pumping Plant	4.49		Bethany Reservoir (Into the South Bay Aquaduct)	17,529							
	Check No. 1	5.95										
		8.08		Alameda Co. Zone 7 WA Mountain House Golf Course	0							
	Check No. 2	12.01										
		12.47		Musco Olive	5							
	Check No. 3	18.29										
		22.16		Tracy Golf & Country Club	0							
	Check No. 4	23.99										
	Check No. 5	29.73										
2A	Check No. 6	34.24										
		35.22		Turlock Fruit Company Inflow	0							
	Check No. 7	39.91										
		42.46		Oak Flat Water District-A	67	67	174					
		42.9		Western Hills WD	174							
		43.81		Oak Flat Water District-B	53							
		44.64		Oak Flat Water District-C	30							
	Check No. 8	45.97			0							
		46.18		Oak Flat Water District-D	84	84						
				Oak Flat Totals:	234							
2B	Check No. 9	51.3					16					
	Check No. 10	56.86										
	Check No. 11	61.4										
		66.14		Veteran's Cemetery	27							
	Check No. 12	66.71			225,236							

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

August 2009

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.	Structure	Mile		Table A	Local	Article 56C	Other
	No.	Structure								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)		17,529	4	31	1/ 1,294	
			3.17	Granite - Vasco Rd. (Temp.)		0				
			3.18	Oakland Scavenger Zone 7		4				
	2	Check No. 1	3.91							
		Check No. 2	5.21							
	3		7.21	Zone 7 Water Agency Altamont		31				
2		Check No. 3	9.49	Zone 7 Water Agency Patterson Storage Exchange Project Water		0	192	115	48	1,294
						1,294				
4	4	Check No. 4	10.68							
	5	Check No. 5	12.29							
	6		13.55	Zone 7 Water Agency Wente #1		192				
			14.16	Zone 7 Water Agency Wente #2		115				
			14.31	Zone 7 Water Agency Ising		48				
		Check No. 6	14.65							
	7		14.78	Zone 7 Water Agency Arroyo Mocho Project Water		1,061	1,061	97	90	1,061
		Check No. 7	16.38							
	8		16.57	Zone 7 Water Agency Wente #3		0				
			16.63	Zone 7 Water Agency Wente #4		97				
			16.69	Zone 7 Water Agency Norman Nursery		0				
			16.70	Zone 7 Water Agency Concannon Project Water		90				
		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle		0				
				Pumped into South Bay Aqueduct		0				
				Gravity into South Bay Aqueduct		0				
		Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2 Project Water Inflow Exchange Inflow Release		334	334	239	29	22
				East Bay Regional Park Dist. Del Valle Recreation		239				
				Zone 7 Water Agency Wente #5		29				
			19.20	Zone 7 Water Agency So. Livermore Project Storage Exchange Project Water		0				
			19.21	Zone 7 - Kalthrof Detjens		2,206				
6	7	La Costa Tunnel	22.50	ACWD - Vallecitos Project Water		79	283	79	2,068	2/ 138
			25.97	City of San Francisco San Antonio		0				
8		Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water Storage Exchange		2,321				
9		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter		0				
						10,613				

1/ Transfer from Byron Bethany Irrigation District.

2/ Includes 69 AF of Dry Purchase 2 and 69 AF of Dry Purchase 3.

3/ Includes 500 AF of SCVWD's CVP water exchanged for DWR's project water, 2,480 AF transferred from Brown's Valley ID, 6,014 AF Semitropic Recovery, 973 AF of Drought Water Bank, 1 AF of Dry Purchase 2, 30 AF of Dry Purchase 3, and 615 AF of Dry Purchase 4.

Table 13. Lake Del Valle
Daily Operation

Capacity: 77,106 ac-ft

August 2009

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Jul 31	699.43	37,438									
1	699.41	37,425	-13	0	0	0	0	1	12	13	0.00
2	699.38	37,404	-20	-5	0	0	0	1	14	15	0.00
3	699.31	37,357	-48	-33	0	0	0	1	13	14	0.00
4	699.34	37,377	20	32	0	0	0	1	11	12	0.00
5	699.31	37,357	-20	-6	0	0	0	1	13	14	0.00
6	699.30	37,350	-7	7	0	0	0	1	13	14	0.04
7	699.29	37,343	-7	6	0	0	0	1	11	12	0.00
8	699.26	37,323	-20	-8	0	0	0	1	12	13	0.00
9	699.25	37,316	-7	10	0	0	0	1	16	17	0.00
10	699.22	37,296	-20	-5	0	0	0	1	15	16	0.00
11	699.20	37,282	-14	6	0	0	0	1	18	19	0.00
12	699.19	37,276	-7	8	0	0	0	1	14	15	0.00
13	699.12	37,228	-47	-28	0	0	0	1	18	19	0.00
14	699.12	37,228	0	18	0	0	0	1	17	18	0.00
15	699.11	37,221	-7	8	0	0	0	1	14	15	0.00
16	699.08	37,201	-20	-4	0	0	0	1	15	16	0.00
17	699.06	37,187	-14	3	0	0	0	1	15	16	0.00
18	699.04	37,174	-14	1	0	0	0	1	14	15	0.00
19	699.02	37,160	-14	3	0	0	0	1	15	16	0.00
20	699.00	37,147	-14	1	0	0	0	1	13	14	0.00
21	699.00	37,147	0	14	0	0	0	1	13	14	0.00
22	698.96	37,120	-27	-15	0	0	0	1	11	12	0.00
23	698.94	37,106	-14	0	0	0	0	0	14	14	0.00
24	698.93	37,099	-7	5	0	0	0	0	12	12	0.00
25	698.91	37,086	-14	0	0	0	0	0	13	13	0.00
26	698.88	37,066	-20	-7	0	0	0	0	13	13	0.00
27	698.87	37,059	-7	6	0	0	0	0	13	13	0.00
28	698.86	37,052	-7	12	0	0	0	0	18	18	0.00
29	698.83	37,032	-20	-2	0	0	0	0	18	18	0.00
30	698.88	37,066	34	53	0	0	0	0	19	19	0.00
31	698.79	37,005	-61	-48	0	0	0	0	13	13	0.00
Total			-433	29	0	0	0	22	440	462	0.04

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

August 2009

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv-eries 2/		
Jul 31	223.31	51,875											
1	222.55	49,847	-2,028	0	1,393	0	4,548	0	586	5,905	10	-462	
2	222.78	50,459	612	0	1,599	0	4,662	0	0	5,782	10	-160	
3	223.40	52,116	1,657	0	1,737	0	4,061	0	0	4,768	10	-185	
4	223.84	53,296	1,180	1	1,807	0	4,204	0	0	5,202	10	-205	
5	224.22	54,320	1,024	1	1,870	0	5,064	0	1,650	4,358	10	-401	
6	224.39	54,779	459	1	1,810	0	4,518	0	1,855	4,091	10	-142	
7	223.30	51,848	-2,931	2	1,746	0	4,917	0	3,274	4,758	10	-101	
8	222.56	49,873	-1,975	2	1,926	0	3,600	0	2,301	4,231	10	18	
9	221.61	47,362	-2,511	2	2,077	0	3,616	0	1,601	5,174	10	-176	
10	221.44	46,915	-447	2	2,053	0	3,732	0	1,590	4,266	10	-146	
11	222.21	48,942	2,027	2	2,077	1,080	2,840	0	0	4,663	10	-304	
12	222.73	50,326	1,384	2	1,834	1,426	2,429	0	0	5,048	10	65	
13	222.65	50,113	-213	2	1,655	473	3,015	0	0	5,040	10	-202	
14	221.56	47,230	-2,883	2	1,574	0	3,911	88	1,617	5,055	10	-170	
15	220.17	43,593	-3,637	2	1,575	0	3,866	0	1,599	5,343	10	-325	
16	221.06	45,918	2,325	2	1,605	960	3,684	0	0	4,721	10	-348	
17	222.50	49,713	3,795	2	1,663	952	3,844	0	0	4,299	10	-239	
18	223.15	51,447	1,734	2	1,689	947	2,895	0	0	4,539	10	-110	
19	223.42	52,169	722	2	1,668	0	3,624	0	0	4,507	10	-413	
20	222.80	50,513	-1,656	2	1,421	0	2,936	0	815	4,343	10	-26	
21	222.45	49,580	-933	2	1,330	0	3,005	0	0	4,500	10	-297	
22	222.32	49,235	-345	2	1,481	0	3,183	0	0	4,550	10	-280	
23	223.42	52,169	2,934	2	1,755	828	3,051	0	0	3,819	10	-328	
24	224.06	53,888	1,719	2	1,988	822	2,957	0	609	4,113	10	-170	
25	223.15	51,447	-2,441	0	2,015	822	2,992	0	2,629	4,003	10	-418	
26	222.88	50,726	-721	0	1,965	0	3,648	0	1,610	3,782	10	-574	
27	223.01	51,073	347	0	1,962	0	3,799	19	1,625	3,514	10	-418	
28	223.23	51,661	588	0	2,145	0	3,428	0	945	3,762	10	-560	
29	223.67	52,840	1,179	0	2,360	0	3,862	0	810	4,482	10	-326	
30	223.49	52,357	-483	0	2,430	0	3,777	0	1,623	4,334	9	-485	
31	223.56	52,544	187	0	2,482	0	3,887	0	2,443	3,788	9	-35	
Total				669	39	56,692	8,310	113,555	107	29,182	140,740	308	-7,923
Mean cfs				---	1	1,829	268	3,663	3	941	4,540	10	-256
Acre-feet				669	77	112,452	16,485	225,236	212	57,881	279,158	612	-15,718

1/ Pump-in located at Mile 79.67R.

2/ Includes 70 AF delivered to DFG at O'Neill Forebay, 1 AF to Parks & Rec., 466 AF to San Luis Water District, and 75 AF for Pump-In Credit.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

August 2009

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)		Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Jul 31	381.05	380,491						
1	381.25	381,906	1,415	586	0	212	0	339
2	381.20	381,552	-354	0	0	194	0	16
3	381.08	380,703	-849	0	0	207	0	-221
4	380.99	380,067	-636	0	0	208	0	-113
5	381.32	382,402	2,335	1,650	0	197	0	-276
6	381.66	384,814	2,412	1,855	0	187	0	-452
7	382.45	390,438	5,624	3,274	0	185	0	-254
8	382.98	394,228	3,790	2,301	0	183	0	-207
9	383.33	396,738	2,510	1,601	0	162	0	-174
10	383.69	399,326	2,588	1,590	0	192	0	-93
11	383.46	397,672	-1,654	0	1,080	211	0	457
12	382.95	394,013	-3,659	0	1,426	235	0	-184
13	382.72	392,367	-1,646	0	473	197	0	-160
14	382.98	394,228	1,861	1,617	0	207	0	-472
15	383.31	396,594	2,366	1,599	0	186	0	-220
16	383.05	394,729	-1,865	0	960	168	0	188
17	382.92	393,798	-931	0	952	194	0	677
18	382.39	390,010	-3,788	0	947	191	0	-772
19	382.30	389,368	-642	0	0	191	0	-133
20	382.40	390,081	713	815	0	204	0	-252
21	382.40	390,081	0	0	0	198	0	198
22	382.30	389,368	-713	0	0	191	0	-168
23	381.97	387,017	-2,351	0	828	164	0	-193
24	381.73	385,311	-1,706	609	822	181	0	-466
25	382.09	387,871	2,560	2,629	822	189	0	-327
26	382.48	390,652	2,781	1,610	0	192	0	-16
27	382.78	392,796	2,144	1,625	0	194	0	-350
28	383.00	394,371	1,575	945	0	204	0	53
29	383.15	395,446	1,075	810	0	190	0	-78
30	383.44	397,528	2,082	1,623	0	194	0	-379
31	384.00	401,559	4,031	2,443	0	217	1	-193
Total			21,068	29,182	8,310	6,025	1	-4,225
Mean cfs			---	941	268	194	0	-136
Acre-feet			21,068	57,881	16,485	11,946	1	-8,381

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 9,923 AF, Casa De Fruta 0 AF, and San Benito 2,023 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

August 2009

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	13,015	10,346	0	0	1,163	1,163	420
2	12,743	10,032	0	0	0	0	384
3	10,509	7,921	0	0	0	0	411
4	11,466	8,819	0	0	0	0	413
5	9,606	6,975	0	0	3,272	1,730	390
6	9,016	6,402	0	0	3,680	590	370
7	10,487	7,846	0	0	6,494	3,388	367
8	9,324	6,695	0	0	4,564	1,490	362
9	11,402	9,252	0	0	3,176	171	322
10	9,402	7,335	0	0	3,154	168	380
11	10,278	8,237	2,142	2,142	0	0	419
12	11,126	9,021	2,828	2,828	0	0	467
13	11,108	9,016	939	939	0	0	391
14	11,140	9,066	0	0	3,207	175	411
15	11,774	9,754	0	0	3,171	167	368
16	10,406	8,294	1,904	1,904	0	0	334
17	9,475	7,378	1,889	1,889	0	0	385
18	10,004	7,917	1,878	1,878	0	0	378
19	9,932	7,817	0	0	0	0	379
20	9,571	7,466	0	0	1,617	85	404
21	9,917	7,813	0	0	0	0	392
22	10,027	7,962	0	0	0	0	379
23	8,416	6,001	1,643	1,643	0	0	325
24	9,066	6,675	1,631	1,631	1,207	1,207	360
25	8,822	6,476	1,631	1,631	5,214	5,214	374
26	8,334	5,970	0	0	3,193	1,649	380
27	7,744	5,514	0	0	3,223	1,701	385
28	8,291	8,291	0	0	1,874	357	404
29	8,891	8,891	0	0	1,607	82	376
30	8,597	8,597	0	0	3,220	179	385
31	7,511	7,511	0	0	4,845	1,764	431
Total	307,400	245,290	16,485	16,485	57,881	21,280	11,946

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

August 2009

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jul 31	322.94	18,362					
1	322.91	18,349	-13	0	0	0	-13
2	322.88	18,336	-13	0	0	0	-13
3	322.85	18,323	-13	0	0	0	-13
4	322.83	18,314	-9	0	0	0	-9
5	322.78	18,292	-22	0	0	0	-22
6	322.76	18,283	-9	0	0	0	-9
7	322.73	18,270	-13	0	0	0	-13
8	322.71	18,261	-9	0	0	0	-9
9	322.70	18,257	-4	0	0	0	-4
10	322.68	18,248	-9	0	0	0	-9
11	322.65	18,235	-13	0	0	0	-13
12	322.63	18,226	-9	0	0	0	-9
13	322.59	18,208	-18	0	0	0	-18
14	322.53	18,182	-26	0	0	0	-26
15	322.53	18,182	0	0	0	0	0
16	322.50	18,169	-13	0	0	0	-13
17	322.48	18,160	-9	0	0	0	-9
18	322.46	18,151	-9	0	0	0	-9
19	322.43	18,138	-13	0	0	0	-13
20	322.41	18,129	-9	0	0	0	-9
21	322.40	18,125	-4	0	0	0	-4
22	322.38	18,116	-9	0	0	0	-9
23	322.34	18,099	-17	0	0	0	-17
24	322.32	18,090	-9	0	0	0	-9
25	322.30	18,081	-9	0	0	0	-9
26	322.27	18,068	-13	0	0	0	-13
27	322.26	18,064	-4	0	0	0	-4
28	322.24	18,055	-9	0	0	0	-9
29	322.22	18,046	-9	0	0	0	-9
30	322.20	18,037	-9	0	0	0	-9
31	322.17	18,024	-13	0	0	0	-13
Total			-338	0	0	0	-338
Mean cfs			---	0	0	0	---
Acre-feet			-338	0	0	0	-338

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

August 2009

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jul 31	600.50	709					
1	600.50	709	0	0	0	0	0
2	600.50	709	0	0	0	0	0
3	600.50	709	0	0	0	0	0
4	600.50	709	0	0	0	0	0
5	600.50	709	0	0	0	0	0
6	600.50	709	0	0	0	0	0
7	600.50	709	0	0	0	0	0
8	600.50	709	0	0	0	0	0
9	600.50	709	0	0	0	0	0
10	600.50	709	0	0	0	0	0
11	600.50	709	0	0	0	0	0
12	600.50	709	0	0	0	0	0
13	600.50	709	0	0	0	0	0
14	600.50	709	0	0	0	0	0
15	600.50	709	0	0	0	0	0
16	600.50	709	0	0	0	0	0
17	600.50	709	0	0	0	0	0
18	600.50	709	0	0	0	0	0
19	600.50	709	0	0	0	0	0
20	600.50	709	0	0	0	0	0
21	600.50	709	0	0	0	0	0
22	600.50	709	0	0	0	0	0
23	600.50	709	0	0	0	0	0
24	599.00	634	-75	0	0	0	-75
25	599.00	634	0	0	0	0	0
26	599.00	634	0	0	0	0	0
27	599.00	634	0	0	0	0	0
28	599.00	634	0	0	0	0	0
29	599.00	634	0	0	0	0	0
30	599.00	634	0	0	0	0	0
31	599.00	634	0	0	0	0	0
Total			-75	0	0	0	-75
Mean cfs			---	0	0	0	---
Acre-feet			-75	0	0	0	-75

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

August 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		225,236						
3A	San Luis Reservoir			Department of Parks and Recreation	1	9,923		1	0		
				San Felipe Division Santa Clara Water District	9,923						
				Casa de Fruta Santa Clara Water District	0						
				San Felipe Division San Benito Water District	2,023						
				Reach 3A Subtotal:	11,947		11,946	0	1		
3	O'Neill Forebay	70.85		Department of Parks and Recreation	1	466		1	0		
				Cattle Program	0						
				Department of Fish & Game	70						
		70.91 Thru 85.08		San Luis Water District	466	466		39	31		
				(Floodwater Inflow)	0						
				Reach 3 Subtotal:	537	466	0	40	31		
				Dos Amigos Pumping Plant	279,158						
4	14		89.03	San Luis Water District	6,562	6,562					
			Thru 94.06								
			89.66	Pacheco Water District	730		730				
			Thru 89.67								
			89.68	Panoche Water District	48		48				
			89.70	City of Dos Palos	153						
		Check No. 14	95.06								
	15		98.15	San Luis Water District	701	701					
			Thru 104.20								
			96.15	Panoche Water District	2,369		2,369				
			Thru 102.64	(Floodwater Inflow)	0						
			102.64	Broadview Water District	0						
			105.22	Westlands Water District	5,792	5,792					
			Thru 108.64								
			Check No.15	108.50							
				Reach 4 Subtotal:	16,355		16,355	0	0		
				San Felipe Division Total:	11,946		11,946	0	0		
				Pacheco Water District Total:	730		730	0	0		
				Broadview Water District Total:	0		0	0	0		
				City of Dos Palos Total:	153		153	0	0		
				SLWD Reach 4 Subtotal:	7,263		7,263	0	0		
				Panoche Water District Total:	2,417		2,417	0	0		
				SLWD Total:	7,729		7,729	0	0		
				Westlands WD Reach 4 Subtotal:	5,792		5,792	0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
5	16		110.52	(Reverse flow, Kings River)	0	8,643		1	0		
				Westlands Water District	8,643						
				Dept. of Fish and Game @ Lat. 4L	1						
				Dept. of Fish and Game @ Lat. 6L	0						
				Dept. of Fish and Game @ Lat. 7L	0						
		Check No. 16	122.07								
	17		124.18	Westlands Water District	3,295	3,295		1	0		
	Check No. 17		132.74								
6	18		133.81	Westlands Water District	5,935	5,935		1	0		
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	6,458	6,458					
			143.16	City of Coalinga	609	609					
		Check No. 18	143.23								
				Reach 5 Subtotal:	24,941	24,940	0	1	0		
7	19		145.26	Westlands Water District	4,021	323		1	0		
		Check No. 19	155.64								
				Reach 6 Subtotal:	4,344	4,344	0	0	0		
8	20		156.34	Westlands Water District	2,122	120	1,322	1	0		
		Check No. 20	164.69								
9	21		164.79	Westlands Water District	1,296	246	1,296	1	0		
		Check No. 21	172.40		226,289						
				Reach 7 Total:	3,784	2,984	800	0	0		
				SWP Construction Total:	0	0	0	0	0		
				Westlands WD Total:	37,562	36,762	800	0	0		
				City of Coalinga Total:	609	609	0	0	0		
				City of Huron Total:	120	120	0	0	0		
				Kings County to Lemoore NAS Through WWD	323	323	0	0	0		
				City of Avenal Total:	246	246	0	0	0		
Total San Luis Field Division Deliveries:					61,908	61,035	800	41	31		

1/ Same landowner transfer (Kettlemen Hills Fruit Growers) from Dudley Ridge Water District.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

August 2009

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	
Jul 31	27,810							
1	28,148	338	0	5,905	213	50	804	4,393 -274
2	28,722	574	0	5,782	213	50	804	4,360 -66
3	28,768	46	0	4,768	213	50	804	3,652 -26
4	28,850	82	0	5,202	213	50	804	4,017 -77
5	28,606	-244	0	4,358	127	50	804	3,376 -124
6	28,061	-545	0	4,091	127	50	624	3,217 -348
7	28,458	397	0	4,758	127	50	624	3,393 -363
8	28,174	-284	0	4,231	127	37	624	3,455 -131
9	28,214	40	0	5,174	127	37	624	4,335 -31
10	28,749	535	0	4,266	127	37	617	3,122 -94
11	28,682	-67	0	4,663	127	37	617	3,792 -124
12	28,774	92	0	5,048	127	37	617	4,026 -194
13	29,119	345	0	5,040	127	37	617	3,975 -110
14	29,344	225	0	5,055	127	37	617	4,096 -65
15	28,599	-745	0	5,343	127	38	617	5,046 109
16	28,398	-201	0	4,721	127	38	617	4,132 92
17	28,290	-108	0	4,299	127	38	617	3,624 52
18	28,265	-25	0	4,539	127	38	617	3,643 -127
19	28,264	-1	0	4,507	127	38	617	3,633 -93
20	28,630	366	0	4,343	127	38	617	3,220 -157
21	28,615	-15	0	4,500	127	38	617	3,615 -111
22	28,461	-154	0	4,550	127	23	578	3,769 -131
23	28,573	112	0	3,819	127	23	578	3,081 46
24	28,998	425	0	4,113	127	23	578	3,334 163
25	29,419	421	0	4,003	108	23	578	3,189 107
26	28,654	-765	0	3,782	107	23	578	3,784 325
27	27,756	-898	0	3,514	100	30	578	3,410 151
28	28,858	1,102	0	3,762	100	31	578	2,761 263
29	28,754	-104	0	4,482	100	56	578	3,801 1
30	28,897	143	0	4,334	100	56	578	3,731 203
31	28,779	-118	0	3,787	100	56	470	3,106 -114
Total		969	0	140,739	4,107	1,219	19,592	114,086 -1,248
Mean cfs		---	0	4,540	132	39	632	3,680 -40
Acre-feet		969	0	279,158	8,146	2,417	38,861	226,289 -2,476

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 730 AF to Pacheco W.D., 153 AF to the City of Dos Palos and 7,263 AF to San Luis Water District.

3/ Includes 120 AF to the City of Huron, 246 AF to the City of Avenal, 609 AF to the City of Coalinga, 0 AF to City of Huron P&R @ 22R, 323 AF to Lemoore N.A.S. @ 29L, 0 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 3L, 1 AF to DFG @ 4L, 0 AF to Pilibos Wildlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to FG @ 7L, 0 AF to Non-Project Water, 31,104 AF to Westlands Water District and 6,458 AF to Pleasant Valley Pumping Plant.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

August 2009

23

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	636	475	77	69	77	5,439	5,126	4,831	4,821
2	641	507	79	72	79	5,219	5,018	4,825	4,805
3	624	474	59	53	60	4,608	4,507	4,187	4,107
4	601	466	59	54	63	4,680	4,660	4,305	4,117
5	464	414	49	42	49	4,176	3,696	3,352	3,287
6	560	447	74	67	76	3,736	3,493	3,144	3,019
7	440	441	47	42	48	3,925	3,403	3,198	3,134
8	486	458	75	68	75	3,610	3,717	3,458	3,446
9	496	411	76	67	76	5,536	5,558	5,347	5,253
10	454	367	50	45	50	4,592	4,630	4,370	4,405
11	510	418	66	59	65	4,530	4,130	3,830	3,784
12	503	456	72	64	73	4,768	4,363	4,046	4,069
13	515	503	65	59	65	4,723	4,425	4,149	4,039
14	491	450	63	57	64	4,826	4,662	4,380	4,179
15	571	448	72	65	71	6,244	5,959	5,599	5,667
16	595	485	86	78	88	5,207	5,198	4,959	4,824
17	557	509	60	55	60	5,204	5,078	4,778	4,770
18	563	522	77	68	76	4,436	3,721	3,479	3,492
19	598	545	75	67	73	3,721	3,448	3,219	3,091
20	584	447	84	77	85	4,610	4,331	4,005	3,983
21	535	439	94	84	93	5,119	4,495	4,255	4,125
22	516	467	76	67	76	5,564	5,016	4,716	4,673
23	551	485	115	105	114	4,732	4,913	4,643	4,604
24	524	475	53	46	54	5,043	4,382	4,156	4,155
25	591	520	82	73	80	4,926	4,629	4,327	4,262
26	518	493	59	54	60	5,375	4,639	4,324	4,260
27	560	524	73	66	73	5,019	4,503	4,183	4,096
28	364	338	72	65	72	4,235	3,687	3,437	3,344
29	529	516	77	70	78	5,579	5,286	5,074	5,025
30	594	559	81	74	81	6,090	6,207	6,013	5,997
31	487	466	54	48	54	4,954	5,053	4,286	4,732
Total	16,657	14,525	2,201	1,980	2,208	150,427	141,934	132,875	131,566

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

August 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Recovery	Carryover Article 56C	Other		
	No.	Structure	Mile									
7	21	Check No. 21	172.40		226,289							
8C	22			Empire West Side ID TL - A	0	780 5,090	264 8,096	3/ 1,291	58 630 67 524 427	1/ 2 2/ 144 577		
				172.66 County of Kings TL - A	840							
				Tulare Lake Basin WSD TL-A	5,864							
				175.18 Dudley Ridge WD - 1	67							
				177.54 Dudley Ridge WD - 1B	524							
				180.64 Tulare Lake Basin WSD - C	0							
				180.65 Dudley Ridge WD - 1A	427							
				182.99 Dudley Ridge WD - 2	2,132							
				183.00 Tulare Lake Basin WSD TL - B	8,096							
				County of Kings TL-B	0							
31A	8D			184.00 Dudley Ridge WD - Paramount	0	209	473	1,291	1,018	4/ 2,727		
				184.63 Coastal Branch	16,657							
8D				184.78 Dudley Ridge WD - 3	2,936	13,186	0	0	630	144		
				Dudley Ridge Reach 8D Total:	6,086							
9	23			Tulare Lake Basin WSD Total:	13,960							
				Check No. 22	184.82							
				189.69 Kern County Water Agency Lost Hills Water Dist. - 1	9,455			5/ 1,985	7,470			
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	1,494				1,494			
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	706			5/ 706				
				196.40 Kern County Water Agency Berrenda Mesa - 2	551			5/ 551				
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	1,482			5/ 1,482				
10A	24			KCWA Reach 9 Subtotal:	13,688	0	0	4,724	8,964	0		
				Check No. 23	197.05							
10A	25			201.24 Kern County Water Agency Lost Hills Water Dist. - 7	1,265	686 4	5/ 171 1,002	5/ 3,122 5/ 198 5/ 2,817	6/ 579 7/ 1,061			
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	1,232							
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0							
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	4							
				Check No. 24	207.94							
10A				209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	3,122	690	0	1,002	0	0		
				209.78 Kern National Wildlife Refuge USBR BV-1B	1,002							
				Kern County Water Agency Buena Vista WSD 1B	198							
				KCWA Semitropic WSD	2,817							
				KCWA Semitropic WSD Penstocks	0							
				USBR Total:	1,002							
				KCWA Reach 10A Subtotal:	8,638							

1/ Includes 1 AF of Pool A and 1 AF of Pool B.

2/ Includes 72 AF of Yuba C2 and 72 AF of Yuba C3.

3/ Kern Water Bank Recovery.

4/ Includes 2,667 AF of Table A Exchange from Dudley Ridge WD to Kern County WA, 30 AF of Yuba C2 and 30 AF of Yuba C3.

5/ Recovery of water that was pumped in and stored in O'Neill.

6/ Drought Water Bank.

7/ Yuba Purchase Water.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			Table A	USBR	Recovery	Carryover Article 56C	Other			
	No.	Structure											
11B	25		210.75	Kern County Water Agency Belridge - 2	0	283	2/ 638	4,659					
			214.11	Kern County Water Agency Belridge - 3	921								
			216.62	Kern County Water Agency Belridge - 4	0								
			217.13	Kern County Water Agency Belridge - 5A-C	12,813	634	3/ 7,520						
				Kern County Water Agency Belridge - 5D	127								
		Check No. 25	217.79			127	8,158	4,659		0			
				KCWA Reach 11B Subtotal:	13,861								
12D	26		219.58	Kern County Water Agency Belridge - 6	0	564							
				Kern County Water Agency West Kern - 3	564								
		Check No. 26	224.92										
12E	27		230.37	Kern County Water Agency Buena Vista - 6	4,254	2,378	2/ 596	4/ 1,280					
		Check No. 27	231.73										
	28		235.75	Kern County Water Agency Buena Vista - 2	7,765								
				Kern County WA CVC	0								
				DRWD CVC	0								
				Tulare Co.	0								
				Lower Tule River	0								
				Fresno Co.	0								
				Pixley ID	0								
				Hacienda DWR Wells	0								
	Check No. 28	238.11											
				1/ Arvin Edison Total:	0	7,765	0	0	0	0			
				Reach 12E Subtotal:	12,019								
13B	29		238.19	Kern Water Bank Inflow	0	1,220							
			Kern Water Bank Outflow	0									
			241.02 Kern River Intertie (inflow)	0									
			242.85	KCWA Buena Vista WSD - 7	0								
				KCWA Buena Vista WSD - 5	1,220								
			243.09	Kern County Water Agency Buena Vista - 3	762								
				Check No. 29	244.54								
	30		249.85	Kern County Water Agency Buena Vista - 4	240	762							
			Buena Vista Pumping Plant	250.99	150,427								
				KCWA Reach 13B Subtotal:	2,222	240	2,222	0	0	0			
14A	31		254.47	Kern County Water Agency West Kern - 2	0								
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	343								

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Recovery of water that was pumped in and stored in O'Neill.

3/ Pump Recovery.

4/ Transfer of CVC contractors CVC water to Arvin-Edison WSD.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

August 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.	Structure	Mile		Table A	USBR	Recovery	Carryover Article 56C
	No.	Structure								
14A	31	Check No. 31	256.14				706	1,582	0	0
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3		706				
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4		1,582				
		Check No. 32	261.72							
				KCWA Reach 14A Subtotal:	2,631					
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5		4,336	923	2,777	0	0
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6		923				
		Check No. 33	267.36							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7		2,777				
			271.27							
				Reach 14B Total:	8,036					
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8		2,473	1,280	4,280	1/ 118	0
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9		645				
			277.30	Kern County Water Agency Arvin-Edison WSD		1,280				
				Reach 14C Total:	4,398					
		Teerink Pumping Plant	278.13			141,934				
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A		636	3,164	3,772	1/ 28	0
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10		3,164				
				Reach 15A Total:	3,800					
				Chrismar Pumping Plant	280.36					
						132,875				
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11		0	39	113	79	0
			283.95							
				Check No. 37	285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12				
	38		286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A		113				
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13		0				
				Check No. 38	287.09					
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B		79				
				Check No. 39	290.21					
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14		1,425				
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15		579				
				Kern County Water Agency Tehachapi Cummings CWD		791				
				KCWA Reach 16A Subtotal:	3,026					
				Edmonston Pumping Plant	293.45					
17E						131,566				

1/ Pump Recovery.

Table 23. Governor Edmund G. Brown California Aqueduct
 San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

August 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Recovery	Carryover Article 56C	Other		
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02		16,657	13,761						
		Las Perillas Pumping Plant	1.16		16,657							
	C-2		3.79	Green Valley Water District	0							
		Badger Hill Pumping Plant	4.27		14,525							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	0							
			14.83	Kern County Water Agency Berrenda Mesa - 1	13,761							
				Kern County Water Agency Berrenda Mesa - PO	0							
		Devil's Den Pumping Plant	14.86		2,201							
				KCWA Reach 31A Subtotal:	13,761	13,761	0	0	0	0		
				KCWA Total:	86,644	50,169	0	19,932	13,623	2,920		
33A	C-7	Bluestone Pumping Plant	19.05		1,980	1,370						
	C-8	Polonio Pass Pumping Plant	26.54		2,208							
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0							
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,810							
		Tank Site 2	58.63	Central Coast:	0							
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	411	411						
		Energy Dissipater	78.12									
	Lopez T.O.		85.86	SLOCFC & WCD	0							
35	C-12			CCWA Total:	2,221	1,781	0	0	0	440		
		Guadalupe T.O.	102.70	SBCFC & WCD	0							
		Santa Maria T.O.	107.43	SBCFC & WCD	0							
38		So. Cal. Water T.O.	109.20	SBCFC & WCD	0	0	0	0	0	0		
				SBCFC & WCD Total:	0							
		Tank Site 5	115.42									

1/ Transfer of San Luis Obispo's Table A water to Santa Barbara.

Table 24. Southern Field Division Plant Data

(in acre-feet)

August 2009

Date	West Branch						East Branch								East Branch Extension		
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Tehachapi Afterbay Bypass		Generation	Leakage	Bypass Flume				
1	1,881	1,537	0	0	3,621	2,083	2,878	0	100	2,823	2,328	0	0	1,793	60	59	14
2	1,802	1,534	0	0	3,064	2,682	2,923	0	0	2,721	2,376	0	0	1,853	27	26	15
3	1,367	1,534	0	0	2,745	1,428	2,797	0	0	2,271	2,250	0	0	2,422	28	26	16
4	1,697	1,534	0	0	4,278	1,817	2,470	0	0	2,031	1,942	0	0	2,352	60	57	0
5	1,538	1,534	0	0	3,112	1,406	1,448	0	0	1,246	1,345	0	0	1,100	60	58	26
6	1,445	1,530	0	0	2,656	1,966	1,856	0	0	1,322	1,041	0	0	1,934	60	59	25
7	1,478	1,533	0	0	3,715	2,213	1,576	0	0	1,258	1,027	0	0	1,663	62	59	16
8	1,996	1,533	0	0	2,901	1,572	2,065	0	0	2,811	2,663	0	0	1,903	62	58	17
9	1,374	1,528	0	0	3,317	1,110	2,938	0	0	1,249	1,239	0	0	1,831	28	27	17
10	1,315	1,529	0	0	3,045	1,501	2,886	0	0	2,473	2,466	0	0	1,828	18	17	15
11	1,171	1,536	0	0	2,682	2,200	2,406	0	66	2,082	2,064	0	0	1,995	60	58	14
12	1,642	1,536	0	0	3,514	1,471	1,933	0	0	1,990	2,017	0	0	1,843	60	59	27
13	1,858	1,533	0	0	3,881	1,955	2,091	0	0	2,052	1,832	0	0	2,037	60	58	25
14	1,699	1,533	0	0	2,104	0	2,102	0	256	2,043	1,816	0	0	1,997	53	51	16
15	1,913	1,533	0	0	182	0	3,205	0	435	2,958	2,816	0	0	1,850	61	58	17
16	1,334	1,520	0	0	278	0	3,246	0	397	3,256	2,916	0	0	2,018	33	32	18
17	1,641	1,517	0	0	2,022	0	2,462	0	496	2,787	2,799	0	0	2,054	34	31	15
18	1,488	1,525	0	0	1,663	0	1,545	0	248	1,659	1,518	0	0	2,195	54	51	16
19	1,180	1,565	0	0	1,837	0	1,906	0	66	1,284	0	1,433	0	2,044	60	59	28
20	1,426	1,563	0	0	1,880	0	2,368	0	0	2,006	0	1,547	0	2,185	53	52	25
21	1,754	1,540	0	0	1,996	0	287	0	0	2,089	0	2,196	0	2,201	60	59	16
22	2,121	1,533	0	0	307	0	2,393	0	25	2,236	0	2,197	0	2,045	47	46	13
23	1,854	1,534	0	0	630	0	2,476	0	83	2,036	0	2,103	0	2,250	19	18	0
24	1,644	1,531	0	0	2,331	0	2,288	0	331	1,770	0	2,197	0	2,185	18	17	0
25	1,537	1,532	0	0	2,124	0	2,244	0	66	2,372	0	2,201	0	2,169	50	50	8
26	1,509	1,531	0	0	1,942	0	2,239	0	248	2,326	0	2,201	0	2,303	59	58	28
27	1,687	1,530	0	0	2,137	0	2,522	0	0	2,193	0	2,199	0	2,716	62	58	27
28	1,103	1,536	0	0	2,618	0	2,440	0	0	2,182	0	2,205	0	2,569	62	58	16
29	1,374	1,538	0	0	1,398	0	2,698	0	612	3,290	0	2,992	0	2,110	33	32	12
30	1,850	1,538	0	0	2,381	2,607	2,903	0	826	3,338	0	2,992	0	2,261	24	20	6
31	1,589	1,533	0	0	2,143	975	2,828	0	298	2,910	0	3,002	0	2,585	33	17	0
Total	49,267	47,563	0	0	72,504	26,986	72,419	0	4,553	69,064	36,455	29,465	0	64,291	1,460	1,388	488

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake

Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)	
				Project			Natural	Project		To Piru Creek			
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improv. Channel		Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	Natural	Del. To United W.A.	
Jul 31	2575.04	166,108											
1	2574.99	166,044	-64	2,083	1,537	0	4	3,621	0	12	0	-55	
2	2575.81	167,089	1,045	2,682	1,534	0	4	3,064	0	12	0	-99	
3	2576.04	167,383	294	1,428	1,534	0	4	2,745	0	12	0	85	
4	2575.64	166,872	-511	1,817	1,534	0	4	4,278	0	12	0	424	
5	2575.46	166,643	-229	1,406	1,534	0	4	3,112	0	8	0	-53	
6	2575.88	167,179	536	1,966	1,530	0	4	2,656	1	8	0	-299	
7	2575.76	167,025	-154	2,213	1,533	0	5	3,715	0	6	0	-184	
8	2575.84	167,127	102	1,572	1,533	0	4	2,901	0	6	0	-100	
9	2575.22	166,337	-790	1,110	1,528	0	4	3,317	0	6	0	-109	
10	2575.22	166,337	0	1,501	1,529	0	4	3,045	0	6	0	17	
11	2576.01	167,345	1,008	2,200	1,536	0	4	2,682	0	6	0	-44	
12	2575.60	166,821	-524	1,471	1,536	0	4	3,514	1	6	0	-14	
13	2575.31	166,451	-370	1,955	1,533	0	4	3,881	0	6	0	25	
14	2574.49	165,409	-1,042	0	1,533	0	4	2,104	0	6	0	-469	
15	2575.58	166,796	1,387	0	1,533	0	4	182	0	6	0	38	
16	2576.53	168,010	1,214	0	1,520	0	4	278	0	6	0	-26	
17	2576.13	167,498	-512	0	1,517	0	4	2,022	0	6	0	-5	
18	2575.96	167,281	-217	0	1,525	0	4	1,663	0	6	0	-77	
19	2575.66	166,898	-383	0	1,565	0	4	1,837	1	6	0	-108	
20	2575.43	166,604	-294	0	1,563	0	4	1,880	0	6	0	25	
21	2574.96	166,006	-598	0	1,540	0	5	1,996	0	6	0	-141	
22	2575.88	167,179	1,173	0	1,533	0	5	307	0	6	0	-52	
23	2576.55	168,036	857	0	1,534	0	5	630	0	6	0	-46	
24	2575.73	166,987	-1,049	0	1,531	0	5	2,331	0	5	0	-249	
25	2575.34	166,490	-497	0	1,532	0	5	2,124	1	4	0	95	
26	2575.25	166,388	-102	0	1,531	0	4	1,942	0	4	0	309	
27	2574.66	165,625	-763	0	1,530	0	4	2,137	0	4	0	-156	
28	2573.69	164,396	-1,229	0	1,536	0	5	2,618	0	4	0	-148	
29	2573.77	164,498	102	0	1,538	0	5	1,398	0	4	0	-39	
30	2575.19	166,299	1,801	2,607	1,538	0	5	2,381	0	4	0	36	
31	2575.43	166,604	305	975	1,533	0	5	2,143	0	4	0	-61	
Total				496	26,986	47,563	0	134	72,504	4	199	0	-1,480

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Jul 31	1513.85	20,696								
1	1514.15	20,817	121	3,621	0	2,083	0	1,417	0	
2	1514.77	21,067	250	3,064	0	2,682	0	0	-132	
3	1518.10	22,438	1,371	2,745	0	1,428	0	0	54	
4	1517.66	22,254	-184	4,278	0	1,817	0	2,644	-1	
5	1515.69	21,441	-813	3,112	0	1,406	0	2,519	0	
6	1517.46	22,171	730	2,656	0	1,966	0	0	40	
7	1513.93	20,728	-1,443	3,715	0	2,213	0	2,946	1	
8	1507.98	18,415	-2,313	2,901	0	1,572	0	3,641	-1	
9	1513.59	20,592	2,177	3,317	0	1,110	0	0	-30	
10	1517.09	22,017	1,425	3,045	0	1,501	0	0	-119	
11	1512.56	20,183	-1,834	2,682	0	2,200	0	2,317	1	
12	1510.36	19,323	-860	3,514	0	1,471	0	2,903	0	
13	1515.11	21,205	1,882	3,881	0	1,955	0	0	-44	
14	1513.40	20,516	-689	2,104	0	0	0	2,793	0	
15	1506.64	17,914	-2,602	182	0	0	0	2,784	0	
16	1507.36	18,182	268	278	0	0	0	0	-10	
17	1512.50	20,159	1,977	2,022	0	0	0	0	-45	
18	1510.30	19,300	-859	1,663	0	0	0	2,523	1	
19	1510.50	19,377	77	1,837	0	0	0	1,759	-1	
20	1507.18	18,115	-1,262	1,880	0	0	0	3,142	0	
21	1504.76	17,222	-893	1,996	0	0	0	2,915	26	
22	1505.53	17,504	282	307	0	0	0	0	-25	
23	1507.24	18,137	633	630	0	0	0	0	3	
24	1513.20	20,437	2,300	2,331	0	0	0	0	-31	
25	1512.88	20,309	-128	2,124	0	0	0	2,251	-1	
26	1511.21	19,653	-656	1,942	0	0	0	2,610	12	
27	1510.33	19,311	-342	2,137	0	0	0	2,499	20	
28	1511.28	19,680	369	2,618	0	0	0	2,248	-1	
29	1514.65	21,018	1,338	1,398	0	0	0	0	-60	
30	1513.96	20,740	-278	2,381	0	2,607	0	0	-52	
31	1516.66	21,839	1,099	2,143	0	975	0	0	-69	
Total				1,143	72,504	0	26,986	0	43,911	
									-464	

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Jul 31	1472.97	237,503								
1	1472.46	236,547	-956	0	1,417	0	2,262	10	-101	
2	1471.38	234,529	-2,018	0	0	0	2,067	10	59	
3	1470.26	232,446	-2,083	0	0	0	2,035	10	-38	
4	1470.65	233,170	724	0	2,644	0	2,059	6	145	
5	1470.70	233,263	93	0	2,519	0	2,301	0	-125	
6	1469.42	230,891	-2,372	0	0	0	2,333	0	-39	
7	1469.73	231,464	573	0	2,946	0	2,311	0	-62	
8	1470.45	232,799	1,335	0	3,641	0	2,305	0	-1	
9	1469.34	230,743	-2,056	0	0	0	2,212	0	156	
10	1468.22	228,678	-2,065	0	0	0	2,063	0	-2	
11	1468.33	228,880	202	0	2,317	0	2,199	0	84	
12	1468.65	229,470	590	0	2,903	0	2,271	0	-42	
13	1467.42	227,209	-2,261	0	0	0	2,238	0	-23	
14	1467.77	227,851	642	0	2,793	0	2,214	0	63	
15	1468.10	228,457	606	0	2,784	0	2,233	6	61	
16	1467.02	226,477	-1,980	0	0	0	1,986	7	13	
17	1465.82	224,287	-2,190	0	0	0	2,086	8	-96	
18	1466.02	224,651	364	0	2,523	0	2,218	8	67	
19	1465.81	224,269	-382	0	1,759	0	2,179	8	46	
20	1466.37	225,289	1,020	0	3,142	0	2,063	8	-51	
21	1466.70	225,892	603	0	2,915	0	2,131	8	-173	
22	1465.50	223,705	-2,187	0	0	0	2,160	8	-19	
23	1464.34	221,598	-2,107	0	0	0	2,010	8	-89	
24	1463.18	219,501	-2,097	0	0	0	2,050	8	-39	
25	1463.29	219,700	199	0	2,251	0	2,007	8	-37	
26	1463.57	220,205	505	0	2,610	0	2,070	8	-27	
27	1463.81	220,639	434	0	2,499	0	1,948	8	-109	
28	1463.86	220,729	90	0	2,248	0	2,135	8	-15	
29	1462.66	218,565	-2,164	0	0	0	2,105	8	-51	
30	1461.50	216,483	-2,082	0	0	0	2,025	8	-49	
31	1460.46	214,626	-1,857	0	0	0	1,903	8	54	
Total			-22,877	0	43,911	0	66,179	169	-440	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

August 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Rec.	Recovery	Drought Water Bank	Article 56C	Other	
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		49,267							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved							
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07	(No flow through Gorman Creek Imp. Channel)	47,563							
29H	W3	Pyramid Lake		USFS								
				Pyramid Recreation (T300)	4							
29J	W4	Pyramid Dam		United WA (T300)	0							
			17.10	California State Park								
		Castaic Power Plant	25.82	Piru Fish (T300)	0							
				(26,986 AF pumpback) 2/	72,504							
	W5	Elderberry Forebay										
			28.12									
	W6	Forebay Dam										
	W5	Castaic Lake Outlet		California State Park								
				Castaic Lake Recreation (T301)	22							
	W5	Castaic Dam	31.47									
	W5	Castaic Lake Outlet		MWDSC 78" & 132" (T302)	61,602							
				Castaic Lake WA 18", 24" & 54" (T303)	1,654							
	W5	Castaic Lake Outlet		Castaic Lake WA Rio Vista T.P. (T304)	2,777							
				MWD-Ventura Co. WPD (T302)	124							
	W5	Castaic Lake Outlet		Releases to Lagoon	169							
				Reach 30 Subtotal:	66,179							
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0							
			31.9		186							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

3/ Includes 1,179 AF of Kern-Delta Water Bank Recovery, and 327 AF of Arvin Edison recovery.

4/ Includes 601 AF of non-project Article 55 water from Delta Wetlands Properties to MWD, 1,021 AF of Dry Purchase 2, 1,021 AF of Dry Purchase 3, and 9,682 AF of Dry Purchase 4.

5/ Includes 1,100 AF of non-project Article 55 water from Kern County WA to Castaic Lake WA, 80 AF of Dry Purchase 2, and 461 AF of Dry Purchase 4.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Project		Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.	Natural To Mojave River	
Jul 31	3350.53	70,676												
1	3350.92	71,045	369	2,328	0	0	6	0	1,793	0	0	-160	15	
2	3351.63	71,720	675	2,376	0	0	5	1	1,853	0	0	158	15	
3	3351.40	71,501	-219	2,250	0	0	6	0	2,422	0	1	-40	15	
4	3350.92	71,045	-456	1,942	0	0	7	0	2,352	0	0	-39	15	
5	3351.20	71,311	266	1,345	0	0	7	0	1,100	0	0	28	15	
6	3350.19	70,355	-956	1,041	0	0	7	1	1,934	0	0	-55	15	
7	3349.43	69,641	-714	1,027	0	0	7	0	1,663	0	0	-71	15	
8	3348.59	68,856	-785	1,239	0	0	6	0	1,903	0	1	-114	15	
9	3349.52	69,725	869	2,663	0	0	5	1	1,831	0	0	43	15	
10	3350.25	70,412	687	2,466	0	0	7	0	1,828	0	0	56	15	
11	3350.16	70,327	-85	2,064	0	0	8	0	1,995	0	0	-146	15	
12	3350.28	70,440	113	2,017	0	0	5	1	1,843	0	1	-54	15	
13	3350.16	70,327	-113	1,832	0	0	6	0	2,037	0	0	98	15	
14	3349.94	70,120	-207	1,816	0	0	6	1	1,997	0	0	-19	10	
15	3350.89	71,017	897	2,816	0	0	6	0	1,850	0	0	-63	6	
16	3351.79	71,873	856	2,916	0	0	7	0	2,018	0	1	-34	5	
17	3352.50	72,551	678	2,799	0	0	5	1	2,054	0	0	-61	5	
18	3351.88	71,958	-593	1,518	0	0	7	0	2,195	0	0	91	5	
19	3351.29	71,397	-561	0	1,433	0	7	0	2,044	0	0	57	1	
20	3350.61	70,752	-645	0	1,547	0	6	1	2,185	0	1	1	0	
21	3350.56	70,705	-47	0	2,196	0	7	0	2,201	0	0	-35	2	
22	3350.50	70,648	-57	0	2,197	0	7	0	2,045	0	0	-202	4	
23	3350.25	70,412	-236	0	2,103	0	6	1	2,250	0	1	-81	4	
24	3350.25	70,412	0	0	2,197	0	6	0	2,185	0	0	-6	4	
25	3350.31	70,469	57	0	2,201	0	6	0	2,169	0	0	31	4	
26	3350.02	70,195	-274	0	2,201	0	5	1	2,303	0	1	-165	4	
27	3349.38	69,594	-601	0	2,199	0	6	0	2,716	0	0	-78	4	
28	3349.01	69,248	-346	0	2,205	0	6	0	2,569	0	0	24	4	
29	3349.63	69,829	581	0	2,992	0	5	1	2,110	0	0	-295	4	
30	3350.25	70,412	583	0	2,992	0	6	0	2,261	0	0	-142	4	
31	3350.39	70,544	132	0	3,002	0	7	0	2,585	0	1	-277	2	
Total				-132	36,455	29,465	0	193	10	64,291	0	8	-1,550	270

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation
(in acre-feet except as noted)

Capacity: 131,452 ac-ft

August 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jul 31	1556.65	62,965				
1	1556.62	62,913	-52		5	
2	1556.70	63,053	140		4	
3	1556.62	62,913	-140		29	
4	1556.54	62,774	-139		209	
5	1556.35	62,444	-330		466	
6	1556.32	62,392	-52		5	
7	1556.29	62,340	-52		199	
8	1556.35	62,444	104		5	
9	1556.37	62,478	34		27	
10	1556.32	62,392	-86		4	
11	1556.26	62,288	-104		5	
12	1556.32	62,392	104		5	
13	1556.26	62,288	-104		5	
14	1556.24	62,253	-35		69	
15	1556.26	62,288	35		5	
16	1556.26	62,288	0		5	
17	1556.26	62,288	0		6	
18	1556.15	62,097	-191		13	
19	1556.18	62,149	52		4	
20	1556.21	62,201	52		5	
21	1556.18	62,149	-52		5	
22	1556.15	62,097	-52		5	
23	1556.21	62,201	104		5	
24	1556.18	62,149	-52		5	
25	1556.18	62,149	0		25	
26	1556.07	61,959	-190		25	
27	1555.99	61,820	-139		35	
28	1555.99	61,820	0		569	
29	1555.96	61,768	-52		5	
30	1556.15	62,097	329		5	
31	1556.15	62,097	0		23	
Total			-868	2,640	1,782	-1,726

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

August 2009

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	Rec.	Recovery	Drought Water Bank	Article 56C	Other	
	No.	Structure	Mile								
17E	40	Edmonston Pumping Plant	293.45	131,566							
	41		298.65		KCWA Tej.-Cas	Stub					
17F		Check No. 41	303.41								
	42		304.99		AVEK WA-Temp for TEA construction (T389)	0					
18A		Check No. 42	304.99								
	43	Alamo Powerplant	305.73		(Includes 72,419 AF generation, 0 AF plant bypass, and 4,553 AF Tehachapi bypass)	76,972					
19			306.71	AVEK 305th Street West (T287)	0						
	44		308.05	AVEK 294th Street West (T267)	0						
19		Check No. 43	309.70								
	44		311.84	LADWP Connection	0						
19			313.50	AVEK 245th Street West (T269)	0						
	45	Check No. 44	314.81								
19			314.93	AVEK 235th Street West (T270)	0						
	45		315.57	AVEK 225th Street West (T271)	0						
19		Check No. 45	319.74								
	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	884						
19				Mojave Water Agency Fairmont (T272)	166						
	46	Check No. 46	323.84								
19				Reach 19 Total:	1,050	753	0	0	0	297	
	47	Check No. 47	326.77								
20A			326.91	Antelope Valley-East Kern WA Willow Springs (T273)	152	152					
20A	48		329.65	Antelope Valley-East Kern WA 120th Street West	Removed						
20A	49	Check No. 48	330.82								
20A	49	Check No. 49	335.93								
20B			336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	5,653	1,148					
20B	50		339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	122	122					
20B	50		340.92	AVEK WA-Temp (T387)	0						
20B	50	Check No. 50	341.51								
20B	51		342.06	AVEK WA-Temp (T386)	0						
20B	51	Check No. 51	342.07								
20B	52		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0						
20B	52	Check No. 52	343.74								
20B	53		346.98	Palmdale WD (T276) Temp.	1,892	73					
20B	53		348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	73						
21		Check No. 53	348.17								
21			349.52	Palmdale WD (T394)	0						
21	54	Check No. 54	350.25								
21	55	Check No. 55	352.70								
21	56	Check No. 56	354.76								
21			354.97	AVEK WA-Delivered through Little Rock Creek ID (T278)	0						
21	57		354.97	Palmdale WD (T276)	0						
21	57		354.97	Palmdale WD (T391)	0						
21	57	Check No. 57	356.93								
22A			357.60	AVEK 95th Street East (T279)	113	113					
22A	58		357.72	AVEK 96th Street East (T280)	31	31					
22A	58		359.76	AVEK East Side Treatment Plant (T281)	493	493					

1/ Includes 97 AF of non-project water "Nickel" water, 100 AF of Dry Purchase 2, and 100 AF of Dry Purchase 3.

2/ Butte County Table A transfer to Palmdale WD.

Table 31. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)		August 2009											
Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries								
	Beginning and Ending				Table A	Rec.	Recovery	Drought Water Bank	Article 56C	Other			
	No.	Structure	Mile										
22B	58	Pearblossom Pumping Plant	360.61		69,064	523	10	193	1/ 270	193			
	59	Check No. 59	366.09										
	60		366.50	AVEK Big Rock Siphon (T368)	0								
		Check No. 60	373.94										
	61	Check No. 61	379.00										
	62	Check No. 62	384.26										
	63	Check No. 63	389.20	Mojave Water Agency White Road 24" & 42" (T282)	523								
	64	Check No. 64	395.10										
	65	Check No. 65	400.32										
	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	3,459								
23		Check No. 66	403.41										
	24	Mojave Siphon	405.58	Las Flores Ranch Exchange	270								
25		Mojave Siphon Powerplant	405.65		36,455								
26A	Silverwood Lake	407.65	MWA CS DAM (T288)	0									
			California State Park Silverwood (T288)	10									
		407.70	Creastline-Lake Arrowhead WA State Project Water (T289)	193									
			Non-Project Water (T289)	0									
				64,291									
26A	San Bernardino Intake Tunnel	412.73		64,291									
	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0									
			MWD-Rialto (T293)	10,843									
			Desert Water Agency Transfer (T293)	3,652									
			Coachella Valley WD Transfer (T293)	8,387									
			MWD EBX-1 (T290)	0									
			MWD EBX-1 (T291)	5,430									
			East Branch Extension	5,846									
28G	28H	Santa Ana Valley Pipeline	425.46	San Bernardino Valley MWD	605								
				MWD-SC Box Springs (T295)	7,927								
				MWD-SC Perris Bypass Pipeline (T296)	19,961								
				MWD-SC (T297)	144								
				MWD-SC 54" & 78" (T299)	1,574								
				Calif. State Park Lake Perris Parks & Rec. (T298)	49								
				MWD Total:	107,481								
			442.00			67,108	0	1,506	10,626	10,721	17,520		
			443.44										
28J													

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow

2/ Includes 37 AF of Dry Purchase 2, 37 AF of Dry Purchase 3, and 252 AF of Dry Purchase 4.

3/ Includes 75 AF of Dry Purchase 2, 75 AF of Dry Purchase 3, and 643 AF of Dry Purchase 4.

4/ Includes 2,429 AF to San Gabriel Valley MWD, 2,670 AF to San Bernardino Valley MWD, and 712 AF to San Gorgonio Pass WA.

5/ Dry Purchase 2 includes 21 AF to San Bernardino Valley MWD, and 14 AF to San Gorgonio Pass WA.

6/ Dry Purchase 3.

7/ Dry Purchase San Diego.

Table 32. Water Quality At Selected SWP Locations

August 2009

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO ₃	39	78	57	53	56	54	53	52	67
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Bromide	mg/l	<0.01	0.03	0.26	0.29	0.30	0.29	0.21	0.26	0.18
Calcium	mg/l	8	13	14	14	15	15	16	15	19
Chloride	mg/l as C	1	13	82	90	94	91	84	82	58
Chromium	mg/l as C	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/l	<0.001	0	0	0	0	0	0	0	0
Fluoride	mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hardness	mg/l	36.000	78.000	80.000	80.000	87.000	87.000	85.000	79.000	87.000
Iron	mg/l	<0.005	0	0	0	0	<0.005	<0.005	<0.005	0.0
Lead	mg/l as CaCO ₃	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4.000	11.000	11.000	11.000	12.000	12.000	11.000	10.000	10.000
Manganese	mg/l	<0.005	0.007	<0.005	0.032	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	<0.01	0	0	0	0	0	0	0	0
Organic Carbon, Dissolved	mg/l	NR	4.400	2.200	2.700	2.300	2.200	2.850	2.100	2.500
Organic Carbon, Total	mg/l as N	NR	4.90	2.30	2.80	2.40	2.20	2.70	2.30	2.60
Phosphate-Ortho	mg/l as P	<0.01	0.14	0.05	0.06	0.06	0.06	NR	0.04	0.07
Phosphorus-Total	mg/l	0.01	0.21	0.08	0.08	0.07	0.06	0.06	0.07	0.10
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Sodium	mg/l	4	16	51	56	59	59	55	52	42
Specific Conductance	µS/cm	83	222	437	429	474	459	379	426	405
Sulfate	mg/l	2	14	22	19	22	22	21	22	30
Total Dissolved Solids	mg/l	47	130	241	237	261	253	223	236	225
Turbidity	NTU	2	34	9	3	2	2	4	5	5
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

August 2009

Date	Antioch Tides (feet above mean sea level)		Flow In CFS				Electrical Conductivity in millSiemens/cm								Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	6.55	4.68	6,862	5,113	10,684	3.17	9.33	0.72	0.77	1.26	1.07	0.39	0.38	0.40	120
	2	6.62	4.63	6,645	5,201	10,505	3.04	8.99	0.78	0.77	1.22	1.09	0.40	0.37	0.41	121
	3	6.51	4.51	6,531	5,280	10,375	2.81	8.60	0.65	0.74	1.15	1.10	0.43	0.37	0.42	116
	4	6.46	4.45	6,114	5,336	10,089	2.64	8.21	0.62	0.72	1.11	1.11	0.41	0.37	0.41	113
	5	6.33	4.36	5,423	5,336	9,653	2.56	7.86	0.52	0.70	1.09	1.12	0.43	0.38	0.42	114
	6	6.25	4.30	4,190	5,286	8,540	2.76	8.21	0.54	0.68	1.08	1.12	0.00	0.40	0.42	118
	7	5.98	4.08	3,232	5,210	8,214	2.38	7.51	0.49	0.65	1.05	1.12	0.00	0.40	0.44	119
	8	5.62	3.94	3,850	5,162	7,966	2.22	6.90	0.41	0.62	1.01	1.12	0.45	0.40	0.44	124
	9	5.44	4.03	3,508	5,100	7,721	2.28	7.23	0.44	0.61	1.02	1.12	0.46	0.39	0.44	122
	10	5.64	4.06	3,480	5,035	7,440	2.38	7.46	0.43	0.60	1.03	1.12	0.46	0.41	0.44	122
	11	5.94	4.28	4,088	4,980	7,359	2.67	8.68	0.49	0.59	1.07	1.12	0.47	0.38	0.43	123
	12	6.02	4.18	3,620	4,902	7,030	2.58	8.43	0.51	0.58	1.04	1.12	0.45	0.40	0.43	123
	13	6.34	4.27	3,561	4,821	7,147	2.24	7.56	0.69	0.57	1.10	1.11	0.45	0.41	0.42	123
	14	6.45	4.40	2,507	4,651	6,786	3.07	9.59	0.69	0.57	1.16	1.10	0.45	0.38	0.42	125
	15	6.57	4.41	2,397	4,489	6,742	2.73	8.18	0.76	0.57	1.19	1.09	0.45	0.36	0.42	143
	16	6.75	4.48	2,506	4,374	6,746	3.26	9.83	0.91	0.58	1.25	1.10	0.44	0.34	0.42	143
	17	6.69	4.56	2,473	4,320	6,672	3.59	11.00	1.11	0.62	1.32	1.11	0.43	0.34	0.42	125
	18	6.70	4.60	2,749	4,280	6,428	3.86	11.48	1.22	0.66	1.37	1.13	0.42	0.36	0.42	128
	19	6.80	4.60	2,801	4,244	6,392	4.23	12.54	1.65	0.74	1.41	1.15	0.43	0.38	0.41	128
	20	6.87	4.66	2,823	4,206	6,392	4.15	12.13	1.83	0.83	1.41	1.17	0.42	0.40	0.43	127
	21	6.44	4.40	3,005	4,159	6,528	3.67	10.98	1.32	0.89	1.33	1.19	0.49	0.49	0.45	129
	22	6.16	4.54	3,674	4,169	6,963	3.76	11.11	1.15	0.94	1.35	1.22	0.48	0.49	0.45	122
	23	6.11	4.55	3,119	4,089	6,560	3.76	11.19	1.11	0.99	1.36	1.24	0.48	0.48	0.47	133
	24	6.14	4.33	3,488	4,095	6,721	3.40	10.09	0.89	1.02	1.29	1.26	0.49	0.53	0.48	129
	25	6.07	4.25	3,744	4,051	6,926	3.31	9.57	0.79	1.05	1.26	1.27	0.51	0.54	0.49	129
	26	6.05	4.27	2,392	3,934	6,507	3.35	9.57	0.80	1.07	1.30	1.29	0.50	0.52	0.51	129
	27	6.00	4.19	2,350	3,841	6,529	3.38	9.24	0.77	1.07	1.32	1.31	0.00	0.53	0.52	127
	28	5.88	4.19	2,710	3,823	6,801	3.36	8.80	0.70	1.07	1.36	1.32	0.00	0.56	0.52	125
	29	6.15	4.27	3,053	3,792	6,991	3.70	9.53	0.95	1.09	1.40	1.34	0.00	0.58	0.51	135
	30	6.25	4.52	3,241	3,671	7,035	4.14	11.53	1.15	1.10	1.54	1.36	0.00	0.56	0.51	136
	31	6.22	4.45	3,207	3,549	6,926	4.17	11.47	1.11	1.10	1.55	1.37	0.00	0.58	0.50	137

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

August 2009

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	June 17, 2009	Metolachlor	0.10
California Aqueduct At Banks Pumping Plant	June 16, 2009	Metolachlor Simazine	0.20 0.02
O'Niell Forebay Outlet Check 13	June 17, 2009	Simazine	0.02
Delta Mendota Canal At McCabe Road	June 17, 2009	Metolachlor Simazine	0.20 0.02
California Aqueduct Near Kettleman City (Check 21)	June 16, 2009	Simazine	0.02
California Aqueduct At Near Highway 119 (Check 29)	June 17, 2009	Simazine	0.02
California Aqueduct at Tehachapi Afterbay (Check 41)	March 17, 2009	Diuron	1.65
California Aqueduct At Devil Canyon Headworks	June 17, 2009	Simazine	0.06

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

August 2009

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	9,116,294	0	32,841	44,371	2,821,752	1,937,752	505,857	471
2	6,620,801	0	32,726	44,441	2,772,752	1,888,752	506,946	466
3	10,436,074	11	30,309	41,134	2,746,272	1,862,272	490,743	462
4	10,216,778	0	31,677	45,652	2,731,744	1,847,744	475,101	442
5	6,663,074	0	32,853	45,192	2,830,080	1,946,080	476,410	427
6	4,450,204	11	33,288	42,567	2,810,088	1,926,088	492,198	409
7	4,558,686	11	35,660	43,969	2,827,664	1,943,664	487,169	406
8	4,853,112	11	33,358	43,376	2,390,816	1,506,816	483,978	416
9	1,983,949	11	33,527	44,032	2,304,800	1,420,800	464,919	423
10	6,149,055	0	33,223	44,274	2,278,664	1,394,664	482,019	426
11	6,014,965	11	31,574	42,936	1,728,168	844,168	472,100	430
12	5,716,810	0	32,519	45,912	1,669,664	785,664	476,778	426
13	5,707,317	0	41,507	44,622	1,936,768	1,054,768	438,460	438
14	4,466,847	11	36,687	45,005	2,362,304	1,681,304	459,159	427
15	1,371,777	0	31,979	45,454	2,362,840	1,773,840	482,747	396
16	1,474,913	0	29,492	42,467	2,300,504	1,711,504	461,165	404
17	5,885,385	0	28,760	43,570	2,532,272	1,943,272	487,163	401
18	5,617,722	0	25,747	41,452	1,974,408	1,385,408	480,479	396
19	5,441,271	0	29,536	44,312	1,979,816	1,420,816	472,897	398
20	4,798,123	22	28,708	42,665	1,976,848	1,417,848	465,210	437
21	5,991,458	0	32,174	46,024	1,989,400	1,430,400	464,833	458
22	2,910,611	11	30,613	41,567	1,971,088	1,412,088	470,194	474
23	2,795,782	0	30,586	43,964	1,956,960	1,397,960	468,379	462
24	2,766,038	11	29,516	41,861	1,956,216	1,397,216	477,282	422
25	6,999,883	11	30,812	45,039	1,865,848	1,306,848	464,617	375
26	5,850,625	0	28,853	43,223	2,367,208	1,808,208	448,321	371
27	4,623,113	11	33,869	43,250	2,351,248	1,792,248	457,875	350
28	3,965,005	44	33,302	43,536	2,368,888	1,809,888	469,764	378
29	1,298,110	0	30,724	45,947	2,359,192	1,800,192	472,029	372
30	2,117,874	11	29,943	42,450	2,353,224	1,794,224	468,272	368
31	5,097,730	0	30,815	43,972	2,332,056	1,773,056	476,123	423
Total	155,959,386	198	987,178	1,358,236	71,209,552	49,415,552	14,699,187	12,954

Table 36. San Luis Field Division Energy Data

(in kWh)

August 2009

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,716,469	1,364,469	0	0	426,679	426,679
2	1,692,083	1,332,083	0	0	19,393	19,393
3	1,429,546	1,077,546	0	0	20,009	20,009
4	1,524,779	1,172,779	0	0	20,185	20,185
5	1,285,302	933,302	0	0	611,160	323,160
6	1,214,306	862,306	0	0	685,971	109,971
7	1,397,553	1,045,553	0	0	1,204,302	628,302
8	1,248,622	896,622	0	0	855,305	279,305
9	1,527,095	1,239,095	0	0	608,707	32,707
10	1,273,528	993,528	0	0	608,432	32,432
11	1,410,067	1,130,067	311,707	311,707	11,726	11,726
12	1,479,715	1,199,715	398,750	398,750	9,097	9,097
13	1,486,952	1,206,952	133,265	133,265	12,738	12,738
14	1,504,279	1,224,279	0	0	609,279	33,279
15	1,632,277	1,352,277	0	0	607,948	31,948
16	1,418,928	1,130,928	254,529	254,529	13,211	13,211
17	1,264,973	984,973	245,553	245,553	12,562	12,562
18	1,342,360	1,062,360	241,340	241,340	13,266	13,266
19	1,314,992	1,034,992	0	0	19,756	19,756
20	1,272,853	992,853	0	0	313,929	25,929
21	1,319,498	1,039,498	0	0	19,943	19,943
22	1,359,450	1,079,450	0	0	19,943	19,943
23	1,140,655	812,655	210,100	210,100	13,739	13,739
24	1,208,442	888,442	206,272	206,272	227,040	227,040
25	1,201,302	881,302	209,847	209,847	957,462	957,462
26	1,125,112	805,112	0	0	605,407	317,407
27	1,029,037	732,037	0	0	610,049	322,049
28	1,124,546	1,124,546	0	0	364,100	76,100
29	1,218,384	1,218,384	0	0	313,555	25,555
30	1,175,414	1,175,414	0	0	609,983	33,983
31	984,721	984,721	0	0	905,685	329,685
Total	41,323,240	32,978,240	2,211,363	2,211,363	11,330,561	4,418,561

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Plant Energy Load Data

(in kWh)

August 2009

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	49,806	117,891	54,530	50,238	54,228	1,327,846	1,336,594	2,925,879	10,706,985
2	50,528	121,527	56,609	53,184	57,119	1,271,496	1,313,330	2,928,189	10,790,739
3	49,405	117,410	42,496	39,195	42,329	1,117,119	1,182,072	2,522,399	9,205,029
4	47,880	115,416	42,575	40,083	44,010	1,279,125	1,225,716	2,600,972	9,284,706
5	36,554	88,335	35,686	31,696	35,268	1,015,948	972,524	2,031,326	7,370,730
6	44,062	106,731	52,471	48,722	53,301	918,623	918,395	1,912,064	6,770,277
7	35,271	85,373	34,428	31,749	34,400	952,831	908,130	1,915,243	7,023,510
8	37,578	90,946	52,456	49,459	52,551	1,000,357	976,035	2,113,925	7,689,573
9	39,103	96,606	53,509	48,991	53,482	1,339,535	1,451,175	3,230,601	11,744,352
10	35,623	86,646	35,849	33,271	35,759	1,138,741	1,214,945	2,650,593	9,695,538
11	39,877	97,664	46,565	43,037	46,072	1,095,762	1,081,822	2,322,089	8,466,741
12	39,707	99,365	50,904	46,703	51,301	1,151,918	1,139,456	2,461,668	9,219,879
13	40,541	100,445	45,889	42,826	45,631	1,141,210	1,158,248	2,520,122	9,056,205
14	37,351	91,003	44,915	41,514	44,961	1,168,791	1,216,195	2,635,666	9,359,793
15	45,177	113,771	51,015	47,233	49,988	1,512,162	1,539,220	3,407,811	12,649,338
16	46,897	115,173	60,713	56,374	61,000	1,258,761	1,354,718	3,013,538	10,824,570
17	44,515	109,286	42,400	40,232	42,556	1,262,562	1,326,824	2,896,564	10,664,082
18	45,142	109,970	53,981	49,771	53,292	1,076,935	991,280	2,116,235	7,842,339
19	46,972	114,490	52,421	48,720	51,571	905,299	906,579	1,966,360	6,969,186
20	45,662	111,327	58,705	55,529	59,201	1,111,910	1,136,038	2,455,475	8,916,318
21	41,435	106,545	65,493	60,329	64,668	1,232,119	1,182,954	2,583,317	9,232,731
22	40,142	100,450	53,365	48,769	53,175	1,341,030	1,311,880	2,857,679	10,461,825
23	43,462	103,570	79,674	75,063	78,774	1,137,512	1,259,457	2,799,401	10,286,757
24	41,341	100,171	38,425	34,200	38,655	1,193,045	1,148,209	2,530,132	9,301,608
25	46,563	117,160	57,177	52,772	56,121	1,185,637	1,213,244	2,647,029	9,548,712
26	41,212	101,926	42,067	39,411	42,725	1,205,486	1,216,763	2,640,924	9,551,385
27	44,163	110,084	51,536	47,717	51,207	1,207,827	1,160,404	2,529,197	9,164,394
28	29,504	72,506	50,743	47,115	50,762	1,016,377	968,888	2,075,194	7,490,745
29	42,461	107,256	54,230	50,657	54,683	1,353,215	1,386,888	3,070,210	11,276,010
30	46,979	116,550	57,354	53,499	57,059	1,463,736	1,625,196	3,654,882	13,401,504
31	38,596	98,466	39,116	35,909	38,494	1,196,021	1,319,721	2,909,225	10,597,608
Total	1,313,509	3,224,059	1,557,297	1,443,968	1,554,343	36,578,936	37,142,900	80,923,909	294,563,169

Table 38. Southern Field Division Energy Data

(in kWh)

August 2009

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic SWP Gen /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	500,131	947,390	1,512,000	332,236	1,864,595	2,220,033	178,317	40,657	49,344	625
2	463,668	947,376	1,512,000	334,707	1,805,080	2,297,986	183,107	40,479	49,332	636
3	361,888	946,629	1,512,000	321,157	1,529,117	2,991,368	168,880	39,998	49,359	681
4	448,726	947,346	1,512,000	285,094	1,378,816	2,910,026	152,880	40,091	49,423	3,916
5	407,009	946,932	1,512,000	160,483	848,643	1,357,440	96,567	24,190	26,637	1,778
6	381,983	945,509	1,512,000	215,653	944,723	2,392,163	76,415	48,043	49,309	681
7	379,189	947,161	1,512,000	173,233	849,362	2,042,347	81,392	45,942	49,245	615
8	364,983	945,724	1,512,000	237,024	851,277	2,341,740	97,956	41,822	49,270	558
9	526,043	943,484	1,512,000	332,118	1,897,689	2,261,295	215,994	37,766	45,748	530
10	350,105	943,324	1,512,000	329,552	1,662,070	2,264,841	197,226	29,583	34,993	690
11	310,952	946,414	1,512,000	275,950	1,403,931	2,464,771	151,688	29,622	35,037	3,768
12	435,582	945,793	1,512,000	222,313	1,339,676	2,299,945	162,329	43,594	45,743	3,408
13	477,544	945,825	1,512,000	247,332	1,377,610	2,525,688	142,176	49,571	49,472	727
14	446,974	945,207	1,512,000	244,988	1,377,049	2,476,078	142,893	45,983	49,419	615
15	503,139	945,883	1,512,000	370,345	2,000,205	2,297,332	229,703	41,404	49,361	573
16	352,967	940,026	1,512,000	368,593	2,195,993	2,498,248	224,524	35,240	41,141	597
17	432,451	937,855	1,512,000	275,969	1,876,723	2,547,277	212,817	30,710	35,086	657
18	393,340	941,372	1,512,000	170,510	1,125,082	2,729,014	93,336	27,220	32,920	4,137
19	313,221	961,434	1,512,000	215,151	880,355	2,518,858	0	30,061	32,133	3,534
20	376,395	960,627	1,512,000	271,648	1,359,532	2,694,321	0	43,891	45,088	852
21	463,252	947,721	1,512,000	262,454	1,411,003	2,724,770	0	47,918	49,428	724
22	559,776	946,087	1,512,000	277,681	1,508,776	2,537,756	0	47,408	49,444	592
23	490,192	947,878	1,512,000	290,907	1,380,124	2,794,584	0	46,721	49,349	587
24	433,869	947,418	1,512,000	259,284	1,467,617	2,712,171	0	46,317	49,324	925
25	408,116	948,234	1,512,000	255,580	1,598,408	2,680,304	0	46,604	52,186	3,857
26	399,901	947,161	1,512,000	255,483	1,564,310	2,830,633	0	55,438	66,551	3,385
27	445,439	947,303	1,512,000	298,809	1,473,930	3,265,260	0	54,706	62,202	961
28	293,935	949,428	1,512,000	284,912	1,464,468	3,155,276	0	48,468	49,521	830
29	364,323	949,112	1,512,000	302,805	2,201,208	2,615,088	0	48,273	49,532	679
30	489,667	949,358	1,512,000	322,997	2,226,573	2,806,597	0	60,460	62,373	668
31	420,648	947,388	0	319,976	1,948,736	3,161,691	0	66,144	66,744	870
Total	12,995,408	29,358,399	45,360,000	8,514,944	46,812,681	79,414,901	2,808,200	1,334,324	1,474,714	43,656

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations.